Street Atlas USA® 2009 User Guide

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Getting Started

Welcome to Street Atlas USA

Tips

- In the online Help, double-click a book in the Table of Contents to view all of its associated topics. Click a topic to read its contents.
- Additional information is available in the Technical Support section of our website. Visit www.delorme.com to view tutorials, search the forums, and more.

The following features and more are available in Street Atlas USA® and Street Atlas USA Plus:

- Create a route by adding start and finish points on your map. Customize your route by adding stops and vias.
- Find a street address, city/town, ZIP/Postal Code, coordinate, point of interest, and more...anywhere in the U.S. You can even use the advanced search function to locate the intersection of two streets, a specific category of map items, such as landmarks along the current route, or an area code and exchange.
- Connect your GPS device to the program and track your progress on a portable computer as you travel. View your next turn as well as the turn after that — very helpful when you need to make a turn directly after another turn. You can even use the automatic back-on-track feature to recalculate your route when detours veer you off course.
- Use MapShare to share your current map view and even route directions with anyone.
- Get free downloads of data and imagery for your area of interest.
- Use Canadian data to create door-to-door routes in Canada.
- Export maps to a handheld device.
- Import your personal address book information and visualize your contacts on the map. You can even use them as a start, stop, or finish route point or search for them using the Find functionality.
- Create custom keyboard shortcuts to navigate the program more easily than ever.
- Combine digital photos with GPS locations using GeoTagger.
- Use the toolbar to create routes, share maps, open/create/save map files, and edit your preferences.
- Print high quality, detailed, single-page maps or mural maps as large as 3 x 3 pages.
- Print your route and/or route directions.
- Customize your map with routable roads, text, MapNotes, and more!
- And much more!

With the Phone tab in Street Atlas USA Plus, you can also:

- Search over 125 million residential and business phone listings.
- Find residential/business phone listings in Canada.

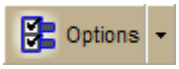
What's New in Street Atlas USA

- GPS NavMode — a new hands free full-screen view that you can view in 2-D or 3-D. GPS Radar results display on the screen.
- GPS snap-to-route option automatically locates the place on the route that is closest to your vehicle's current location.
- GeoTagger, a new toolbar feature, provides updated image tagging features — allows you to combine digital photos with GPS locations in a completely new way.
- Refine your route by choosing the type of route you are creating — for driving, cycling, or hiking — includes appropriate speed and time settings.
- Over 320,000 new roads and road names.
- Option to sort columns of data in the File area of the Draw tab.
- Advanced Find features for searching by category using keywords without having to narrow location.
- Includes $40 of Data Download Dollars for all available datasets, including new color high-resolution imagery. Datasets are now available for individual purchase, allowing you to mix and match a variety of data. Downloads require the use of NetLink and an Internet connection.
- Improved Handheld Export tab.
- Improved Info tab information for tracks.
- Supports small-screen devices, such as UMPCs, or Ultra Mobile Personal Computers.
- Supports the Windows Vista™ operating system, including recent model Intel® chipset personal computers.

Frequently Asked Questions

These questions are asked most frequently by our customers.

- Where do I find the map and other options settings?

  All options are located in one in the Options dialog box. To open it, click the **Options** button 

on the toolbar. You can use it to modify GPS, voice, map feature, display, handheld, and keyboard shortcut preferences. For more information, see the Toolbar topic on page Toolbar27.

  Notes

  - Some tabs also have an Options button, which opens the same dialog box.
  - You can also click the arrow next to the Options toolbar button to open a menu. Then, click **Options** to open the dialog box.

- **Upgraders only**: What happens to my map files when I upgrade?

  Your map files, draw files, route files, and log files are stored in the DeLorme Docs folder, which is usually found on the root of your computer's C: drive. They are not affected by an install or removal of DeLorme software.

- **Upgraders only**: Why doesn't this version of Street Atlas USA overwrite the older version?

  This allows you to view both versions on the same computer.

- **Upgraders only**: Should I uninstall my previous version before installing this version of Street Atlas USA?

  Uninstalling is not necessary; however, you can uninstall the previous edition of the software either before or after installing this version of Street Atlas USA.

- Can I see my imagery and data from Topo USA® and XMap® on the map?

  Yes, as long as *DeLorme Docs\Downloads* is located in the same location for Street Atlas USA as it was in Topo USA and/or XMap (all DeLorme applications install it to the root of your C: drive by default).

  Note You cannot view 7.5-minute USGS Quad maps or NOAA charts in Street Atlas USA.

- How do I create a route?

  You can create a route by simply adding Start and Finish points. If you find the route does not take your favorite streets or you need to make a stop along the way, add or insert Vias or Stops.

  You can create a route using the Route tab, right-click functionality, or the toolbar.

  For more information on adding a route to your map, see Creating a Route on page 217.

- How do I import files from an earlier version of Street Atlas USA into this version?

  You can import map files, routes, and draw files from many other DeLorme mapping programs by using a drag-and-drop operation or by using the import function in Street Atlas USA.

  The structure of map files has changed throughout the life of Street Atlas USA. Map files in older products, such as Street Atlas USA 9.0 and earlier, are a single file that contain route information, draw objects, and the current display settings. These map files cannot be opened in this version of Street Atlas USA; however, you can view the route and/or draw information that the map file contains using the import and drag-and-drop functions within Street Atlas USA.

  In more recent products (Street Atlas USA Road Warrior and later), map files do not contain the draw and route information, but connect to separate route and draw files. You can open these map files in Street Atlas USA to view their contents. Or, you can import/drag-and-drop the draw/route information individually.

  To Open A Map File

  1. Click the **Map Files** tab.
  2. Click **File** and then click **Open**.

3. Select the map file you want to view and then click **Open**.

   Notes
   Street Atlas USA can open only map files with an .saf extension.
   Regular Street Atlas USA only: If you have simplified file management activated and the map file you are opening contains more then one draw file or route file, you will be prompted to select the file you want to open.

4. Click **OK**. The files are imported into one .saf file.
   Note Once you save the map file in Street Atlas USA, you can no longer open it in previous versions of Street Atlas USA. If you want to continue to use the map file in a previous version, select **Save As** and rename the file.

To Import a Route

5. Using Windows® Explorer®, browse to the source folder of the route file. The default directory is *C:\DeLorme Docs\Navigation* or *C:\Program Files\Street Atlas USA*.
6. Locate the file you want to import.
7. While holding the left mouse button, drag the file to the Windows taskbar button for Street Atlas USA (Street Atlas USA opens) and then drag the file to the map. Release the mouse button when finished.
8. Drag the file on top of the map and release the left mouse button. The file imports and displays the route.

To Import a Draw File

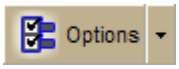
9. Click the **Draw** tab, click **File,** and then click **Import**.
10. Browse to the path where your draw files are stored. By default they are located in *C:\DeLorme Docs\Draw*.
11. Under **Files of Type**, select the file type from the list. If the type is not listed, select **All Files**; for example, All Files (*.*).
12. Click the file to select it and then click **Open**. The imported draw layer displays in Street Atlas USA. A copy of the draw layer is imported into the current map file and the original file is not modified.

- What is the difference between NavMode and the GPS tab view when using GPS?

  The default GPS view is NavMode — a hands free full-screen view that you can display in 2-D or 3-D. By default, the Control Panel is hidden and the tabs are minimized; however, you can customize your interface. For more information, see the NavMode tutorial on page 41. The GPS tab view option allows you to use the GPS tab to control navigating and tracking. By default, the tabs and Control Panel are visible, but you can opt to hide them. It is available only in 2-D mode.

  To turn NavMode on or off, click the **NavMode** button on the toolbar. When the button appears indented, NavMode is on. **Note** The button is greyed out unless you have a GPS device plugged in or are playing back a GPS log file

You can also change your GPS view in the Options dialog box:

1. Click the **Options** button  on the toolbar and click the GPS tab. You can also click the **Options** button on the GPS tab.
2. Clear the **Use NavMode** check box to turn it off, or select the check box to turn it on.
3. Click **OK**.

- How do I find a specific location?

  Street Atlas USA offers powerful search tools that enable you to locate any place in the United States or Canada.

  In addition, you can search for places along your route, within a certain radius of the current map center, or within a particular region.

  To access the search features in Street Atlas USA, click the **Find** tab. For more information on searching for specific locations, see Performing a Basic Search, Performing a POI Search, Performing an Advanced Search, and Finding POIs Near Your Current Location.

- How can I find all of the nearby points of interest?

  Right-click your location on the map, click **Find Travel POIs**, and then click the distance you want to search within (1 mile, 5 miles, or 10 miles). The points of interest display in Find tab results area.

  OR

  If you are tracking with a GPS device, do a radar search to locate points of interest within a designated distance of your current GPS position.

- How do I perform an Along the Way search in the Find tab and print my results?

  You can search for names or categories along your current route by doing an advanced search in the Find tab. You can then print your search results using the Along the Way print option. Use the following steps to search for a name/category along your current route and print the results:

  1. Click the **Find** tab and then click **Advanced**. The Advanced dialog area displays.
  2. Select **Category** from the **From** drop-down list.
  3. Select **Current Route** from the **Within** drop-down list.
  4. Type the appropriate keyword in the **Keywords** text box.
  5. Type the distance within which you want to search in the **Distance** text box.
  6. Click **Search**. The search results display in the dialog area.
  7. Click the **Print** tab and then click **Route**. The Route dialog area displays.
  8. Select the **Along the Way** check box.
  9. Click **Print**. The search results print.

- How do I turn on voice navigation?

  Voice is used in the following ways:

- Listen to your route directions while tracking along a route using GPS.
- Use the speech recognition feature to issue commands or ask questions about map panning and zooming, navigation, or GPS functions.

- Why can't I hear the voice during voice navigation?

  The voice navigation systems in DeLorme products are directly dependent on your computer's sound system for volume levels.

  To Set the Volume Level

  If your system is not playing the sound loud enough, use the following steps to verify the Wave volume control is set to its highest levels.

  1. From the Start menu, point to **Programs**, point to **Accessories**, point to **Multimedia** (or **Entertainment** depending on your operating system) and then click **Volume Control**.
     OR
     If available, click the audio control shortcut on your taskbar.
  2. In the **Wave** column, move the **Volume** slider to the top.
  3. Close the Volume Control dialog box.

  If the voice commands are still not loud enough to hear, contact your sound card manufacturer to download and install the latest driver for your specific model sound card. The new driver may be able to provide louder output.

  There are a variety of external speaker output options for your laptop. Some of them are simply larger external speakers; others allow you to send the voice to your car stereo speakers.

- Why doesn't Street Atlas USA recognize my voice?

  To troubleshoot why Street Atlas USA may not recognize your voice, verify the following:

  - Ensure Street Atlas USA is the active application.
  - Ensure you are wearing your microphone correctly. See your microphone's user guide for more information.
  - Train your speech engine in the environment in which you are using the Voice tab of Street Atlas USA. It is important to speak as naturally as you did during the training.

  Note You can also designate a phrase with which to prefix all of your commands (similar to Simon Says) within the program or the Speech settings in your Windows Control Panel to change your voice settings.

- How do I get data updates or fix the roads on my map?

  The data in Street Atlas USA can be updated only by buying a more recent version of the product when it is available.

  However, if you find there is a local road that is missing, you can add it to the current draw layer using the Routable Roads Draw tool. For more information, see the topic Drawing Routable Roads on the Map on page 185.

  Note You can also report data corrections to DeLorme using the NetLink tab.

- What is a map file?

  Street Atlas USA lets you save all of the work you have done in the mapping application as a single workspace so you can open it again later. These saved workspaces are called map files.

  A map file consists of the following items: coordinates of the map center, current zoom level, current magnification, map display preferences, any added items: such as draw layers, routes, and so forth. As you create new routes or draw layers, change preferences or the map center, and so forth, they are added to the current map file. Changes can be saved or discarded.

  To learn how to create a map file in Street Atlas USA, see Creating and Deleting Map Files on page 99.

- What do the different colors and symbols on the map mean?

  The different colors on the map represent different areas of land use and land cover (parks, population centers, water, forests, and so on). The Map Legend provides examples and descriptions of the map features.

  Click the **Help** button on the Street Atlas USA toolbar and click **Map Legend** to display the Map Legend Help topic. You can view the Map Legend for all map features on the map or view the legends for individual feature categories.

- What's the difference between a stop and a via?

  When routing in Street Atlas USA, you have the option of adding/inserting stops or vias in the route. A stop is a location in the middle of a route where you want to stop and then proceed from. A via is a road on the map that you want to specifically use when routing.

- What's the difference between adding and inserting a stop or via?

  The Insert Stop/Via function arranges stops/vias geographically in the route. The Add Stop/Via function adds stops/vias in the order you add them to the route.

- Why does my route fail to calculate?

  Your route will fail to calculate if you create a route:

  - With a route start, stop, via, or finish point in an area that you have designated as a Route Avoid.
  - That includes route points outside the United States, Mexico, or Canada.
  - On an island without roads. In this case, Street Atlas USA will look for the nearest road to that island to place the route point. If the nearest road is not routable (for example, it is the only road on the island and/or the island does not have ferry access), you will get an error message saying "Route failed to calculate."

- Why do X marks display on the map when I calculate a route?

  - When you place a route point in a location that isn't on a street, Street Atlas USA finds the closest street to that location, marks the space between the point you clicked and the street with X marks, and starts the route at the street.
  - If you search for an address that is on a walkway and place a route point on it, Street Atlas USA finds the closest street to that location, marks the space between the point you clicked and the street with X marks, and starts the route at the street.

- Why are the tab area and control panel so narrow?

  Street Atlas USA was designed to accommodate resolutions of 800 x 600 or higher. If you are using a very high resolution (such as 1920 x 1200), the tab area and control panel in Street Atlas USA may appear to be very narrow.

  Note Use the Windows® Control Panel to adjust your display settings.

- Can I send maps to my GPS device?

  You cannot export maps to a GPS device with Street Atlas USA. You can send routes, draw files, waypoints, and tracks.

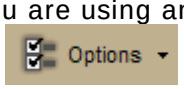
- Why can't I see all the information about my route on the Route tab?

  If your have your screen resolution set to 800 x 600, some information, such as the route summary, may not display for a longer route. Increase your screen resolution to view all details.

- **Regular Street Atlas USA only —** What's the difference between advanced and simplified file management?

  Simplified file management allows you to save one route or draw layer in a single map file.

  Advanced file management allows you to save multiple routes and draw layers in a single map file.

  During the product installation, you chose to use simplified or advanced file management. Once the program is installed, you can verify the type of file management you are using and change it. Click the arrow next to the **Options** button 

on the toolbar to open the menu, and then click **Change File Management**. Your current option displays in the dialog box. To change the option, click the button for the file management option you want to use. For more information, see Activating Advanced/Simplified File Management on page 12.

Helpful Tips

These tips may help you use the features in your application. The **Did You Know?** pop-up tutorials provide hints while you are working in the application.

Tips

- To disable a specific pop-up tutorial, select the **Don't Show Again** check box before you close it.
- To disable all pop-up tutorials, click the **Help** button on the toolbar and click **Shut Off All Pop-up Tutorials**.
- To enable all pop-tutorials after you have shut off one or more, click the **Help** button on the toolbar and click **Reset All Pop-up Tutorials.**

Control Panel

If you want to...	Use this tip...
Zoom the map out/in quickly	Drag the map cursor in an up-left direction to zoom the map out or drag it in a down-right direction to zoom the map in.
Pan the map quickly	Position your cursor on the edge of the map; it becomes a white hand that you can use to drag the map to the new location.
Update the coordinate format that displays in the Control Panel	Update your measurement preferences at any time using the Display tab in the Options dialog box.
View the last map center	Press the middle button in the Compass Rose in the Control Panel to center the map on the previous map view. This button performs an undo function for the last pan or zoom (up to 256 times).

Draw

If you want to...	Use this tip...
Create a route using a road you have added to the map with the Draw tab	When drawing a routable road, click each existing road it crosses to ensure that you can route on the new road. When you open a track you've imported from your GPS device, join the imported line with existing lines by right-clicking each intersection and selecting **Manage Draw/Join**.

Find

If you want to...	Use this tip...
Modify a Find search result	Right-click a result item in the **Find** tab to add it as a MapNote, insert it as a stop in your route, copy the information to your clipboard, and so on.
Find a custom point of interest (such as a Chinese restaurant) when performing a GPS radar search in Find	You can use the Custom option to find other categories besides those listed, or to find multiple categories at once.

GPS

If you want to...	Use this tip...
View a GPS log on the map	Use the Draw tab to import a GPS log file and view it as a line object on the map.

Handheld Export

If you want to...	Use this tip...
Modify the export area in Handheld Export	When you click Preview, the default export area for the location you selected displays on the map as shaded rectangles. Click **Select** to confirm the area. To edit the area, click the **Select/Edit** tool and then click the map to add or remove rectangles to/from the export area.

Info/NetLink

If you want to...	Use this tip...
Quickly view information for a location on the map.	Hover your cursor over objects on the map to see information (such as road names, city/town, details about draw objects, etc.) in the status line that appears at the bottom of the map, just above the tab area.

Note The Phone tab is available only in Street Atlas USA Plus.

Print

If you want to...	Use this tip...
Stop a page in a multi-page map from printing	If you do not want to print all the pages in a multi-page map, click each page you do not want to print on the Layout graphic.

Route

If you want to...	Use this tip...
Reorder inserted stops	Reorder your inserted route stops using the Advanced features in the Route tab.
Create a route quickly	For quick route creation, right-click the map and select one of the **Create Route** options or use the Route buttons on the toolbar.
Reorder the columns in the Route Directions list	Click the **Directions** list column headers to change the column order.
Determine the difference between adding and inserting stops and vias	Added stops/vias are placed in the order you add them to the route. Inserted stops/vias are placed in the order you would approach them between the Start and Finish points of the route.
View information about your second turn	Click the **Show Turns** button when GPS tracking to view information about the following turn.

Tab Area

If you want to...	Use this tip...
Adjust the size of the tab area	Adjust the size of the tab area by dragging the top or right side of the tab area.
Show, hide, or reorder tabs	Use the Tab Manager option in the Help menu to show, hide, or reorder tabs.
Import or export a tab configuration file	Use the Tab Manager option in the Help menu to import or export a tab configuration file

Voice

If you want to...	Use this tip...
Create new speech recognition profiles	You can create a new speech recognition profile for each of your working environments (noisy, quiet) and users (your spouse or child) by clicking the Speech settings in the Windows Control Panel.
Learn how to make the microphone more sensitive to your commands in noisy environments	If there is background noise while you are speaking, it may be helpful to precede all of your voice commands with a special phrase (like Simon Says). See the Voice Settings tab of the Options dialog box.

XData

If you want to...	Use this tip...
Geoplace XData records that do not have complete address information or were not correctly located during the import process	You can drag a record from the Query list and place it at the correct geo-location on the map.
Add a blank record to your XData database	To add a blank record to an XData database, you must select All Records as the Table Display type.

Note The XData tab is available only in Street Atlas Plus.

Activating Advanced/Simplified File Management

Note for regular Street Atlas USA® only

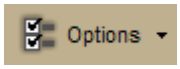
Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu.

This note does not apply to Street Atlas USA Plus users.

When you installed Street Atlas USA, you were given the option to use simplified or advanced file management. Simplified file management allows you to have one route or draw layer saved in a map file. If you want to save multiple route and/or draw layers in a map file, you must activate advanced file management.

To Activate Advanced/Simplified File Management

Use the following steps to change your file management preferences.

1. Click the arrow next to the **Options** button 

on the toolbar.
2. Click **Change File Management**.
   The Change File Management dialog box opens, indicating if the program is set to use advanced or simplified file management.
3. To use advanced file management, click **Advanced**.
   OR
   To use simplified file management, click **Simplified**.
4. At the confirmation message, click **OK**.
5. You must restart Street Atlas USA to view the change in file management.

Note Some of the Help topics related to the Map Files tab, Route tab, and Draw tab include instructions for both simplified and advanced file management. Be sure to follow the instructions for the file management system you have selected. A note appears at the end of each related Help topic.

Glossary Terms

ADT

Alaska Daylight Time

Almanac

Data downloaded from satellites that contains the identity codes, location, and time information for each satellite.

Arctic Circle

Parallel, or line of latitude around the Earth, at approximately 66°30' N. Because of the Earth's inclination of about 23 1/2° to the vertical, it marks the southern limit of the area within which, for one day or more each year, the Sun does not set (about June 21) or rise (about December 21).

AST

Alaska Standard Time

Average Grade

Average of the grade from the start to the current cursor position (or finish).

Azimuth

The direction of travel or the direction between two points in reference to true or magnetic north. When expressed in degrees, its value ranges from 0 to 360. A compass heading is an azimuth. In most places, the word bearing has grown to mean the same thing as azimuth. However, azimuth is always measured from true or magnetic north in a clockwise direction. For example, due east is 90 and due west is 270. See also, Bearing.

Bearing

Like an azimuth, a bearing is measured in reference to true or magnetic north, but its value never goes over 90. A bearing is always measured from the cardinal directions of north or south. A typical bearing would be N45 E, which is the same as an azimuth of 45. The bearing S45 W is an azimuth of 225. The use of the word bearing has changed over the years and now means the same as azimuth. When tracking, bearing displays the direction of travel between your current position and your next waypoint, relative to true or magnetic North.

Bread crumb trail

A set of dots that display on your computer screen to record your progress as you travel.

CDT

Central Daylight Time

Climbing Distance
The total distance where the terrain is uphill.

Climbing Elevation
The amount of ascending vertical distance.

Coordinates
A set of numbers (e.g., latitude and longitude) used to identify the specific location of a point.

Course
The azimuth and length of a line, considered together.

CST
Central Standard Time

Current Elevation
The elevation above sea level at a specific point.

Descending Distance
The total distance where the terrain is downhill.

Descending Elevation
The amount of descending vertical distance.

Differential GPS (DGPS)
A technique to improve GPS accuracy that uses pseudo-range errors recorded at a known location to improve the measurements made by other GPS receivers within the same general geographic area.

Dilution of Precision (DOP)
The total effect of all error sources in locating a position.

DOP
Dilution Of Precision

Download
To transfer information from a remote unit, such as a GPS receiver, to a computer.

EDT
Eastern Daylight Time

Easting
The measure of a position relative to the x-axis (horizontal) of a grid system.

Elevation Gain
The difference in elevation from the start of the profile to the end of the profile.

Ephemeris
Data that indicates the position and status of satellites.

EST
Eastern Standard Time

GMT
Greenwich Mean Time; used as the standard of time throughout the world.

GPS
Global Positioning System; a "constellation" of orbiting satellites used to calculate a precise position on or near the earth's surface.

Grade
Actually percent grade, rise over run (100 x (rise/run)). For example, 6 means that for every 100 ft, you gain 6 ft in elevation.

HDOP
The measure of how much the geometry of the satellites affects the horizontal position estimate.

Heading
Azimuth of the longitudinal axis of an aircraft or ship. Heading may differ from direction of travel when flying or boating due to currents in the air or water.

Initialize
To set to a starting position, as in obtaining initial coordinates for a GPS receiver.

Latitude
The measure of a position on the earth's surface north or south of the equator in degrees, minutes, and seconds. Defined as the angle from the equator's horizontal plane perpendicular to the polar axis. All lines of latitude are parallel and are often referred to as parallels.

Log
A record of the speed, direction, and route of travel as obtained via GPS.

Logging
Recording the speed, direction, and route traveled using GPS.

Longitude
The measure of a position on the surface of the earth east or west of the Prime Meridian in degrees, minutes, and seconds. Defined as the angle from the vertical plane running through the polar axis and the prime meridian. All lines of longitude meet at the poles and are often referred to as meridians.

Maximum Elevation
The elevation of the highest point on a profile.

Maximum Speed field
When GPS tracking, displays your maximum speed.

MDT
Mountain daylight time

Minimum Elevation
The elevation of the lowest point on a profile.

MST
Mountain standard time

NMEA
National Marine Electronics Association

Northing
The measure of a position relative to the y-axis (vertical) of a grid system.

PDOP
The measure of how much the error in the position estimate produced from satellite range measurements is amplified by a poor arrangement of satellites (with respect to the receiver antenna).

Port
A hardware interface used by a computer to communicate with an external device.

PPS
Precise Positioning System; radio signals available to military and other authorized personnel for GPS.

Real time
The actual time during which something takes place.

Receiver

Hardware device that receives data, such as from satellites.

Snapping

Attaching a point on one draw object to the exact coordinates of a point in another draw object. You can snap the central shape point of an arc to another object or snap a routable road to an existing road, enabling routing from the drawn road to the road system on the map database.

Speed field

When GPS tracking, displays your speed as you travel.

Terrain Distance

The 3-D distance of the profile accounting for elevation rise and descent.

Third-party GPS device

A GPS receiver manufactured by a company other than DeLorme, such as GARMIN, Magellan, Brunton, Lowrance, Trimble, and so forth.

Time field

When connected to a DeLorme GPS receiver, displays the Greenwich mean time.

Track

To observe or plot the moving path of an object.

Upload

To transfer information from a computer to a remote unit, such as a GPS receiver.

VDOP

The measure of how much the geometry of the satellites affects the vertical position estimate.

Waypoints

Marked positions with specific coordinates that can be downloaded or uploaded.

Zone

A named grid system of any of the UTM/UPS, MGRS, or State Plane coordinate systems and used as a basis for coordinate display. For example, UTM zone 19 specifies the six-degree swath between longitude 66W to 72W and running from 84S to 80N. Another example is zone ME-W in the State Plane coordinate system, which specifies an area that covers the western half of Maine. When using one these coordinate systems, the current zone and coordinates east and north (the eastings and northings) of the zone origin are displayed.

Basic Functions

Zooming In and Out

You can use the drag and zoom feature, zoom tools, or the data zoom level *(Data zoom level is the relationship between what you see in a map view and how it exists in reality. It is the amount of geographic data displayed on a computer monitor. The data zoom level is similar to the traditional fractional relationship expressed on paper maps. For example, 1:24,000, 1:100,000, 1:500,000, and so on.)* to quickly change the zoom level of the map view.

Notes

- Increasing the data zoom level number shows a smaller geographic area at greater detail.
- Decreasing the data zoom level number shows a larger geographic area at lesser detail.
- If you view both the right (primary) and left (secondary) maps at different data zoom levels, a box (or lines, depending on the current data zoom level) displays on the map that is zoomed out the furthest. The box/lines indicate the area that is in view on the other map.
- If you view the right and left maps at the same data zoom level but they are not equally represented on the screen (50/50), a box (or lines) displays on the map that is covering the most screen area. The box/lines indicate the area that is in view on the other map.

To Drag and Zoom In

Use the following steps to zoom in either the right or left map.

1. Click and hold down the left mouse button as you drag the mouse in a down-right direction on the map to encompass the area you want to display. A view box displays on the screen and changes dimension as you move the mouse. A label displays the data zoom level at the current map center.
2. Once you reach the map area or data zoom level you want to display, release the mouse button. The area you selected fills the map window, the map re-centers, and the map view adjusts to show the appropriate level of detail.
   Tip You can move the view box to another location by pressing the SHIFT key at anytime during this procedure.

To Drag and Zoom Out

Use the following steps to zoom in either the right or left map.

1. Click and hold down the left mouse button as you drag the mouse in an up-left direction on the map. A staircase with a small circle displays on the screen.
2. Continue dragging the mouse in an up-left direction. The small circle moves up the steps, one step per data zoom level. A label displays the data zoom level to the bottom-right of the staircase.
3. Once you reach the data zoom level you want to display, release the mouse button. The map view adjusts to display the appropriate level of detail. The map center is retained on your screen.

To Zoom In/Out Using the Zoom Tools

There are two sets of zoom tools. The zoom tools for the right map are located in the Control Panel. The zoom tools for the left map are located at the top of the left map view.

Right Map Controls		Click the up arrow to zoom out one minor data zoom level at a time. Click the down arrow to zoom in one minor data zoom level at a time.
		Click the **Zoom In 1** tool to increase the detail number to the next full level.
		Click the **Zoom Out 1** tool to decrease the detail number to the next full level.
		Click the **Zoom Out 3** tool to decrease the detail number by three full levels.
Left Map Controls		Click the plus button to increase the detail number to the next full level. Click the minus button to decrease the detail number to the next full level. The data zoom level of the left map displays in the text area to the left of the buttons.

Tips

- Press ALT+PAGE UP on your keyboard to zoom out to the next full data zoom level. Press ALT+PAGE DOWN on your keyboard to zoom in to the next full data zoom level.
- Use the mouse wheel to zoom the map in and out. Rotate the mouse wheel to zoom in by individual data zoom level steps or hold the SHIFT key while rotating the mouse wheel to zoom to the next full data zoom level.

Panning/Centering the Map

Use any of the following methods to pan (move) or center the map.

- Click anywhere on the current map view. The point you click becomes the new map center.
- When you point near the map edge, a white hand displays. Drag the hand to move the map in that direction.
- Click the **Grab and Pan** button on the toolbar to drag/pan the 2-D or 3-D map in any direction.
- Click anywhere on the Overview Map. The point you click becomes the new map center. This allows you to traverse greater distances with each mouse click than you can within the main map.

- Point anywhere on the black view box in the Overview Map window. When the pointer becomes a , drag the view box to the new location.

- Use the search features in the Find tab to center the map on a particular location.
- Assign shortcut keys to pan the map up, down, left, or right in small increments.

Copying Your Map to the Clipboard

Click the **Copy to Clipboard** button on the Print tab to copy your map to the clipboard. You can then paste it into a graphics program such as Microsoft® Paint or Adobe® Photoshop.

You can also right-click anywhere on the map and select **Copy Map to Clipboard** from the shortcut menu.

Saving a Map as a Bitmap or JPEG Image

You can save the current map view as a bitmap (.bmp) or JPEG (.jpg) image in all page layout formats: Single, 2 x 2, and 3 x 3. If you select a multi-page format, all the active pages are saved as individual bitmaps or JPEGs. The file name is the specified file name with an incremental page number at the end.

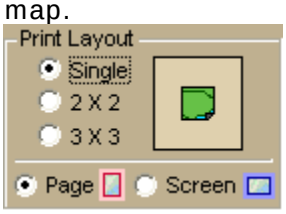
See Printing a Map on page 109 for information about printing a map without saving it as a file.

To Save a Map as a Bitmap or JPEG

Use the following steps to save a map as an image.

1. Locate the area on the map that you want to save as an image.
2. Click the **Print** tab and then click the **Map** subtab (if it is not already selected).
3. Under **Print Layout**, select **Page** *(the map print area is based on the paper size specified in the Setup options)* or **Screen** *(the map print area is based on the screen size)*.
   The print area for a Page map displays as a red box and the print area for a Screen map displays as a blue box on the overview map.
4. If you selected **Page** in step 3, the following options are available.
   - Under **Print Layout**, select a layout option (**Single**, **2 x 2**, or **3 x 3**). The print area displays on both the Map and the Overview Map. In the example below, 2 x 2 is selected. This means the print area encompasses four standard pages at whatever paper size you specified

in the Setup options. You can assemble a multipage map into a large map.



- If you selected 2 x 2 or 3 x 3 and do not want to save all the pages in the multipage map on the map layout graphic, click each page you do not want to save. The page appears dimmed or gray. In the example below, page 4 will not print.

- Verify this is the location and photo zoom you want to save. If not, pan the map to the location and zoom to the level you want.
  Note Changing the photo zoom enlarges/reduces the map features and changes the map area that you save as an image. If you increase the photo zoom level, map text, lines, symbols, etc. are larger and your map area is reduced. If you decrease the photo zoom level, map text, lines, symbols, etc. are smaller and your map area is enlarged. The reduction/enlargement percentages for your photo zoom level display under the **Photo Zoom** drop-down list.
- If you want to use other tabs and functions but not lose your current print area, print photo zoom, or other settings, select the **Lock Print Center** check box. This locks the print area and changes the tab label to red.
- Add text or graphics to your map.
- Select the **Print Preview** check box to zoom the map and view the entire area that will be saved as a bitmap image. Clear the check box to return to your previous data zoom level.

6. Click the **Save** button .
   The Save 2D Map Image dialog box opens.
7. Type the file name in the **File Name** text box, select to save the file as a .bmp or .jpg from the **Save as Type** drop-down list, select the DPI (dots per inch) value (optional), and click **Save**.

Measuring Distance and Area

Use the **Measure** tool on the toolbar to measure linear distance and area on the map based on the units chosen in the Display tab of the Options dialog box.

The snap function snaps (attaches) the point of a measurement line to a point on a road or another measurement object. This ensures a more accurate measurement of distance or area.

The snap function is essential when measuring area. To measure area, you must completely enclose the area by snapping your finish point to your starting point.

Notes

- The measure tool is the best way to measure short distances on the map. If you want to measure the distance of a road, try creating a route. If you want to measure a large area on the map, use the area object tools in the Draw tab.
- To disable the auto-snap function, hold down the **ALT** key on your keyboard while using the Measure tool.
- Measure objects (lines and areas) are saved with the current map file. When you create a new map file, the measure objects do not display. If you want the same measure objects on your new map file, you must recreate them.
- To view information about a measurement line, right-click it and select **Info** from the shortcut menu. The measurement information is automatically displayed in the Info tab.

To Measure Distance or Area

Use the following steps to measure linear distance or area on the map.

1. Verify you have the correct units of measure selected in the Display tab of the Options dialog box. For more information, see Setting Units of Measure Preferences on page 85.
2. On the toolbar, click the **Measure** tool . The pointer changes to .
3. Click point-by-point to draw a measurement line on the map. A text box displays next to your pointer indicating the total distance of the measurement taken.
   Note When you pass over a point in a road, measurement line, or measurement area to which you can snap, a yellow circle ◎ defines the snap point. Click to snap the point of the measure line to the road or measurement object's point coordinate.
4. To end a measurement line, double-click the last point of the measurement line.

   OR

   Click the last point of your measure line or area and then click the **Measure** tool on the toolbar.

   The measure line is a two-pixel wide yellow line and the total length of the line is displayed in a label at each endpoint of the line.
5. To end a measure area, hover over the starting point until the yellow snap circle ◎displays, and then double-click the last point to the starting point. The closure area is transparently shaded, and the area and perimeter measurements display.

Chart of Supported Coordinate Formats

These are the supported formats for latitude/longitude, UTM/UPS, MGRS/USNG, and SPCS searches. Sample coordinates are for Yarmouth, Maine.

Tip Examples of search formats are listed in the Advanced search drop-down text boxes along with a history of your most current search criteria.

Coordinate Format	QuickSearch	Advanced Search	
Latitude/Longitude	N 43 48 30, W70 9 52	N 43 48 30	W70 9 52
	N 43 48.4910, W 070 09.8440	N 43 48.4910	W 070 09.8440
	N434829.4600, W0700950.6400	N434829.4600	W0700950.6400
	N43-48-30, W70-9-52	N43-48-30	W70-9-52
	N 43:48:29.46, W 70:9:50.64	N 43:48:29.46	W 70:9:50.64
	4348, -7009	4348	-7009
	4348N, 7009W	4348N	7009W
	N4348, W7009	N4348	W7009
	4348n, 7009w	4348n	7009w
	n4348, w7009	n4348	w7009
	4348 N, 7009 W	4348 N	7009 W
	N 4348, W 7009	N 4348	W 7009
	4348 n, 7009 w	4348 n	7009 w
	n 4348 w 7009	n 4348	w 7009
	434829, -700950	434829	-700950
	4348.491, -7009.844	4348.491	-7009.844
	4348.491, -7009.844	4348.491	-7009.844
	434829.46, -700950.64	434829.46	-700950.64
	43.80818333, -70.16406667	43.80818333	-70.16406667
	43 48.4910 N, 70 09 50.64 W	43 48.4910 N	70 09 50.64 W
	43 48.4910 n, 70 09 50.64 w	43 48.4910 n	70 09 50.64 w
	N 43 48.4910, W 70 09 50.64	N 43 48.4910	70 09 50.64 W
	434829.46 N, 700950.64 W	434829.46 N	700950.64 W
	43, -70	43	-70

USNG ***Street Atlas USA Plus only***	19TDJ 06354 51187 19TDJ0635451187 (NAD27)*** 19TDJ06355109 19TDJ064511 19TDJ0651	Same as QuickSearch

***** Use this example for USNG with non-standard datum.

Searching Tips

When you use the Quick Search subtab on the Find tab or the Route tab to search for a location, you must enter the information in a specific format.

Tips

- Use punctuation as in the examples in the table below
- Do not use periods
- Search with the minimum amount of information to increase the number of results. For example, if you are searching for a road, and you are not sure of the spelling, type in part of the name and then scroll through the list of results until you find a match.

This table shows formats for search types.

For this type of search...	**Use this format...**	**Example**
Address	Street address, City, State	100 Baxter Blvd, Portland, ME
	Street address, ZIP Code	100 Congress St, 04101
	Street address, City, State, ZIP Code	100 Congress St, Portland, ME 04101
City	City, State	Atlanta, Georgia
ZIP/Postal Code	Within the U.S.: ##### (5-digit ZIP Codes only) or Within Canada: ### 6-digit Postal Codes only)	04096 J8E756
Minor Point of Interest	POI name, City, State	Subway, Columbus, OH
Major Point of Interest or Landmark	POI/landmark name	Mount Rushmore
	POI/landmark name, State	Space Needle, WA
Latitude/Longitude	See Chart of Supported of Supported Coordinate Formats	

For more information about the Find tab, see the Help topics under Finding a Location on the Map.

Exiting the Program

To exit the program, click the **Close** button in the upper-right corner of the screen.

The **Save Changes** dialog box opens if you made changes to a map file.

- Click **Yes** to save changes.
  Note If only one change was made, the program closes after you save the map file.
- Click **No** to discard changes and close the program.
- Click **Cancel** to return to Street Atlas USA®.
  No changes are saved.

If you made more than one change to the map file or changes to more than one map file, once you save your map file, the **Exit** dialog box opens.

- Click **Save and Exit** to save changes to the selected files and close the program.
  Note Clear the check box for any file you do not want to save.
- Click **No** to discard changes and close the program.
- Click **Cancel** to return to Street Atlas USA®.
  No changes are saved.

About the Interface

Tab Area

You can access most of the application's functions from the tab area at the bottom of the screen. To access Help for a specific tab, click the **Help** button on the tab. You can also customize your interface to reorder the tabs, show or hide individual tabs or show or hide the tab panel.

- Map Files
- Find
- Print
- Draw
- GPS
- Voice
- Route
- Info
- NetLink
- Handheld Export

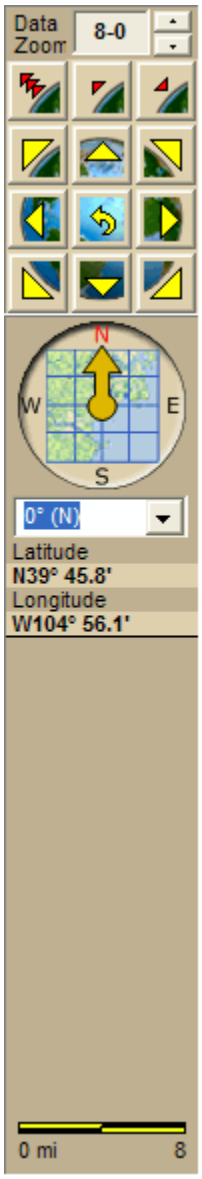
Street Atlas Plus Only

- Phone
- XData (Hidden by default. Use Tab Manager to view the tab.)

Control Panel

The Control Panel, located to the right of the map view, displays information pertinent to the current map view and map cursor position. It also includes zoom and map pan buttons.

You can customize your interface to show or hide the control panel.



Data Zoom Level—The current data zoom level of the map view; ranges between 2-0 (maximum zoom out) and 16-0 (regular Street Atlas maximum zoom in) or 17-0 (Street Atlas Plus maximum zoom in).

Zoom Tools—Buttons that quickly zoom out three levels, out one level, or in one level. For more information, see Zooming In and Out on page 18.

Compass Rose—A group of nine buttons on a globe. The outer buttons have yellow arrows; click one of the arrow buttons to pan the map in that direction. Click the middle button to center the map on the previous map view. This button performs an undo function for the last pan or zoom (up to 256 times).

Map Rotation Tool—The arrow in the graphic indicates True North in relation to the rotated map. Use the Map Rotation Tool to rotate the map in any direction. You can rotate the map by clicking or dragging the square map graphic in the direction you want or by selecting/typing the degree of map rotation from the drop-down list.

Map Coordinates—Coordinates for the current map cursor position display based on the units of measurement preferences chosen in the Display tab of the Options dialog box.

Scale Bar—Indicates the distance one scale bar unit equals in the measurement chosen under in the Display tab of the Options dialog box.

Overview Map

The overview map is a smaller map in the lower-right corner of the screen that offers a wide-angle view of your current map view area. It is approximately three data zoom-levels out from the current map view.

Tips

- Click anywhere on the overview map and that point becomes the new map center. This allows you to travel greater distances with each mouse click than you can within the larger, current map view.
- Use the black view box in the overview map window to pan the map. Point anywhere on the view box. When the pointer becomes a , drag the view box to the new location.

Toolbar

The toolbar allows you to perform many functions in the application without navigating through the tab area.

You can use the toolbar to:

- Create, save, and/or open map files. You can also find these features on the Map Files tab.
- Print your current map screen (find additional printing options on the Print tab) or quick print with the current Print tab settings.
- Use MapShare to share maps and/or route directions.
- Send static maps to your iPod or other compatible portable media player.
- Set route start, finish, and stop points and calculate a route. Additional route options are found on the Route tab).
- Start or stop your GPS connection. This feature is also available on the GPS tab.
- Turn GPS NavMode on or off.
- Exchange routes, waypoints, and more with a GPS or PDA.
- View raster imagery, such as aerial and satellite imagery, and even view the roads on top of the imagery!
- Grab and pan the map in any direction.
- Measure linear distance and area on the map based on the units chosen in the Display tab of the Options dialog box.

- Get information about a location on the map. You can also right-click a location on the map and select the Info option.
- Combine images with GPS information on the map with the GeoTagger Wizard.
- Open the Options dialog box and menu. Use the Options dialog box to set GPS, voice, display, map feature, handheld, and keyboard shortcut preferences. Use the menu to open Tab Manager, customize your interface, and more. **Note for regular Street Atlas USA users:** The Change File Management option is located on this menu.
- Open the Help menu to view Help Topics, view travel conditions/contacts, reset/shut off popup tutorials, and more.

Tips

- You can show or hide toolbar options.
- You can change the order of the toolbar options.

Using the Help System

Help Overview

There are several ways to get more information about the program's features and functionality.

On-Screen Help

There are three ways to access Help within the program.

- Pop-up Tutorials

  When you perform some actions in the program, a pop-up **Did you know . . .?** tutorial opens. These provide additional information for using that particular function.

  If you do not want to see that specific pop-up tutorial again, select the **Do Not Show Again** check box before you close it.

  If you do not want to see any pop-up tutorials, click the **Help** button on the toolbar and then click **Shut Off All Pop-Up Tutorials**.
- ToolTips

  When you point to a tool for a few seconds, a short label (ToolTip) describing the tool displays on your screen. ToolTips also display in windows and dialog boxes when you point to a button, icon, or other feature.
- Information Boxes

  Several tabs contain information boxes. Information boxes provide descriptions about the features and functions of the selected tab.

Help Menu

Click the **Help** button on the toolbar to view the online Help options, and then click an item to select it.

Tip To access a Help menu item using its underlined letter, click the **Help** button and then press the underlined letter for the item on your keyboard. For example, to access the Map Legend, click the **Help** button and then press the **M** key on your keyboard.

Context-Sensitive Help

Click the **Context-sensitive Help** button to help for the tab you are using in the tab area or in the Options dialog box.

Using the Help System

The Help system provides explanations of all of the features and functions of the application. To access the Help system, click the **Help** button on the toolbar and then click **Help Topics**, or press the **F1** key on your keyboard.

- The Help system has three tabs.
  - Contents

    To view an outline of the Help system contents, click the **Contents** tab.
    - To view the additional topics under a particular book, double-click the book.
    - To view a topic, click the page.
  - Index

    Use the following steps to search the Help system index.
    1. While in the Help system, click the **Index** tab.
    2. Type a keyword in the entry field. The list automatically scrolls to the closest matching entry.
    3. Double-click the topic.
       OR
       Click the topic and then click **Display**.
       OR
       Click the topic and press the ENTER key on your keyboard.

    Note
    - If you don't find what you're looking for in the index, click the **Search** tab and try a search for your keyword.
  - Search

    Use the following steps to search for particular words or phrases within topics in the Help system.
    1. While in the Help system, click the **Search** tab.
    2. Type a keyword in the entry field and then click **List Topics** or press the ENTER key on your keyboard. A list of topics containing the keyword displays.
    3. Double-click the topic under **Select Topic to Display**.
       OR
       Click the topic and then click **Display**.
       OR
       Click the topic and press the ENTER key on your keyboard.

- The Help system keeps a history of viewed topics. Click the **Back** button to browse backward through previous topics. Click the **Forward** button to browse forward through the topics previously viewed.

- Print any of the Help topics by selecting a topic (page with question mark) or heading (book symbol) and then clicking the **Print** button. You can print only the selected topic or a heading and all subtopics.
  OR
  Right-click the topic displaying in the right window to print only that topic.
  Tip Before you click **Print**, expand any links in the topic that include information you want to print within your topic.
- While in the Help system, the pointer changes to a hand when it passes over text or graphics that you can click for more information.
- You can move, resize, and minimize the Help window.
- To exit Help, click the **Close** button in the upper-right corner of the screen.

Help Documentation Conventions

To help you easily locate and interpret information, this Help system is formatted. There are also hyperlinks that expand, jump to another location within the same topic, or link you to other topics.

The table below defines each convention and its use.

The convention...	**Is used for...**
ALL CAPITALS	Acronyms, names of certain commands, and keys on the keyboard. **Note** Use of the plus sign (+) between key names indicates key combinations that perform various actions. For example, in the directions "Press CTRL+SHIFT+F3 on your keyboard," you must press and hold the CTRL and SHIFT keys while pressing F3.
Bold	Command buttons, tab names, and options when used in procedures and exercise steps. Also used for information that you type exactly into a particular field. Headings and table headings are bold for emphasis.
Italic	Directory names and paths. Also used when referring to titles of chapters, sections, and publications.
Blue underlined text	Hyperlinks. These links act differently depending on their context. When it is: • Referenced with "for more information," the link goes to another topic. • Embedded in text, such as in the example "Open the file," the link goes to another topic, opens drop-down text that expands within the same topic, or displays a secondary window with a definition or graphic.
Red underlined text	Opens expanding text that provides explanatory information. The expanding text is *italicized blue text*.

Note **Notes**	A note or notes that provide additional information.
Tip **Tips**	A tip or tips that provide helpful hints.

User Guide

The User Guide includes the entire Help system contents, modified for print, in a portable document format (.pdf). The User Guide contains a table of contents and you can print it as a hard-copy reference.

To open the User Guide, click the **Help** button on the toolbar and then click **User Guide** in the menu to open the Technical Support website. When you access the guide, Adobe® Acrobat® Reader launches.

Tutorials

Tutorial: Downloading Imagery

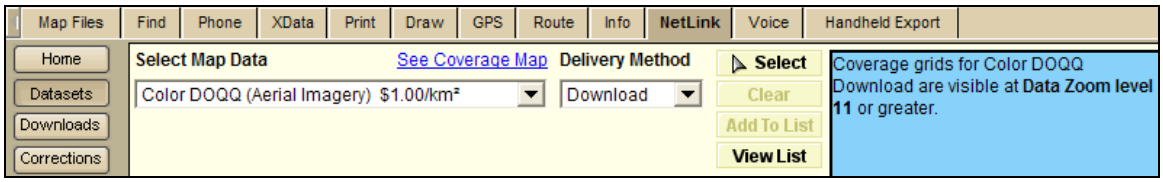
Your purchase includes free imagery downloads! You can download color aerial imagery, satellite imagery, USGS aerial imagery, and hi-resolution city imagery.

You must be a registered user to receive your free imagery. If you did not register during the product installation, you can register using the NetLink tab.

This tutorial explains how to download color imagery.

Step 1 - Find the area you want to download

1. Center the map on the area for which you want to download imagery and zoom the map in to data zoom level 11-0 or greater.
2. Click the **NetLink** tab and then click the **Datasets** subtab.

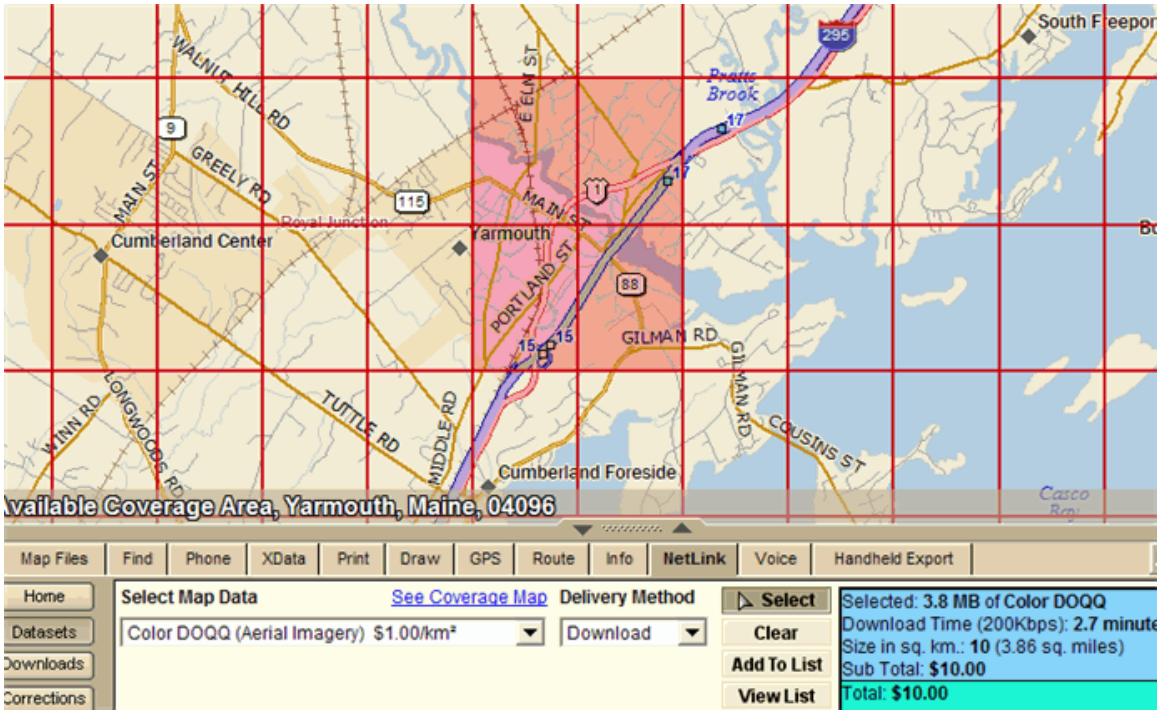


Step 2 - Select the coverage area

1. Click the **Select** button

and then click inside the grids that cover your area.
The selected grids are highlighted. The blue info box updates to show the size and cost of the download.

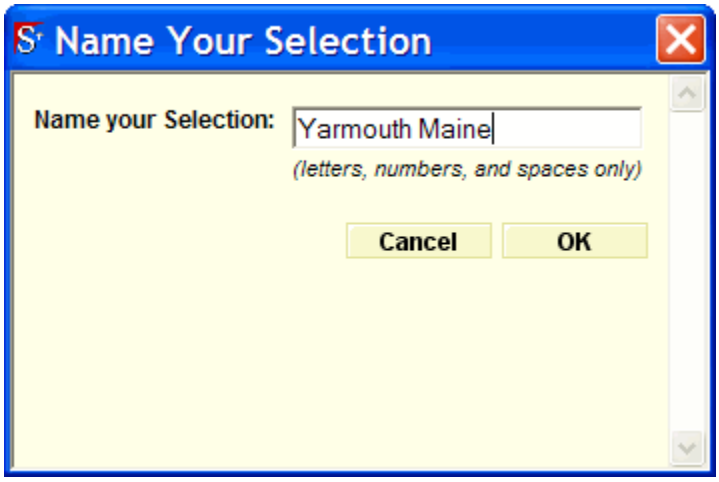
Note This special offer is available for download delivery only, so be sure to select **Download** from the **Delivery Method** drop-down list.



Step 3 - Add the imagery to your download

1. Click the **Add to List** button

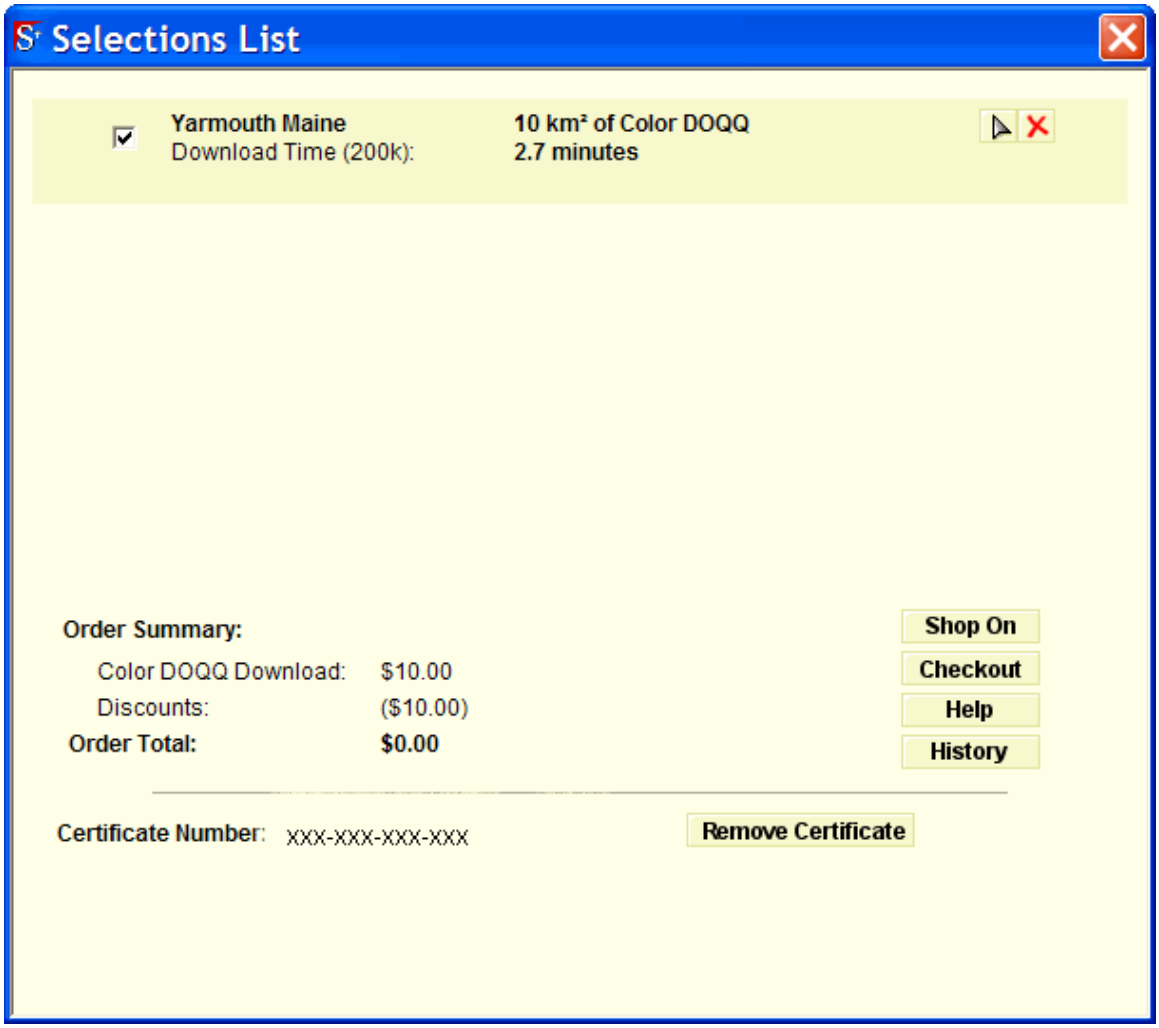
to name and add the selected areas to your selection list.
2. Type the name of your map in the **Name Your Selection** box and then click **OK**.



Step 4 - Enter certificate number

1. Type the certificate number (found on the card inside your DVD case) in the **Certificate Number** box.
2. Click **Add Certificate**.
3. Click **Checkout** to complete the ordering process.

Note If the order exceeds $40, you are required to pay the difference. If the order is less than $40, your certificate number is credited with the difference.



Step 5 - View license agreement and submit order

The first time you download imagery, a license agreement displays.

1. Read the agreement and click **I Agree**.
2. If your order did not exceed the value of your certificate, you are prompted to click **Submit Order**.
3. OR
   If your order exceeded the value of your certificate, you are prompted for payment.

Step 6 - Download your imagery or data

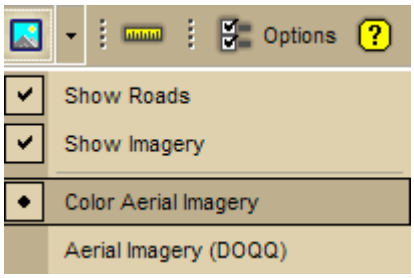
When the download is available:

- You are sent an e-mail to the e-mail address you provided when you registered.
- A message displays in the program if you chose the **Automatically Check for Product Updates** during installation. See Receiving Product Updates and Downloads on page 280 for more information.

You can also go to the NetLink tab at any time to check for downloads.

Step 7 - View your imagery

Click the arrow on the **Imagery** button to open the menu . Ensure the type of imagery you want to view is selected.



Your imagery displays on the map.

Tutorial: Creating a Route

There are several different methods for creating a route on the Route tab. You can designate a start, stop, via, and finish for your route. You can also designate:

- Your method of transportation — car, bicycle, or on foot
- The route calculation — road quickest or road shortest
- Special routing preferences, such as establishing speeds for particular road types, preferred roads, roads to avoid, and more.

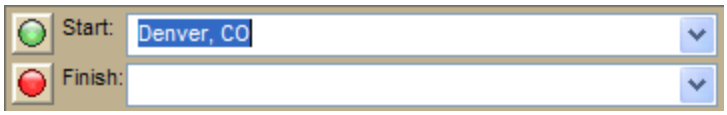
You can also create a route on a map using the right-click function or with the route buttons on the toolbar. These two features let you create routes while using any tab in the program. For more information on using these alternative methods, see Creating a Route on page 217.

For more information about adding stops and vias, see Adding and Inserting Stops and Vias on page 219.

This tutorial provides steps for creating a driving route with one stop and one via.

Step 1 — Set the route start

Click the **Route** tab and type the start location for your route in the **Start** text box.



Step 2 — Add a stop

Assign your first stop by typing it in the **Stop** text box. Since you are adding your stops in the order you want to reach them along your route, make sure the Add option is selected and then click **Add** to assign the stop.

Note The Stop text box clears itself after you click the Add button. This allows you to use the text box to add more stops.

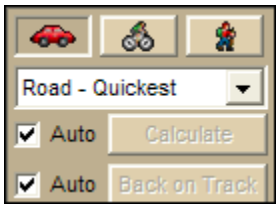
Step 3 — Add a via

To use a specific road or go through a certain town, type the place in the Via box. Since you want the route to calculate based on the geographic location of the via, make sure the Insert option is selected and click **Insert** to add the via.

Step 4 — Set the route finish

Step 5 — Select your activity type

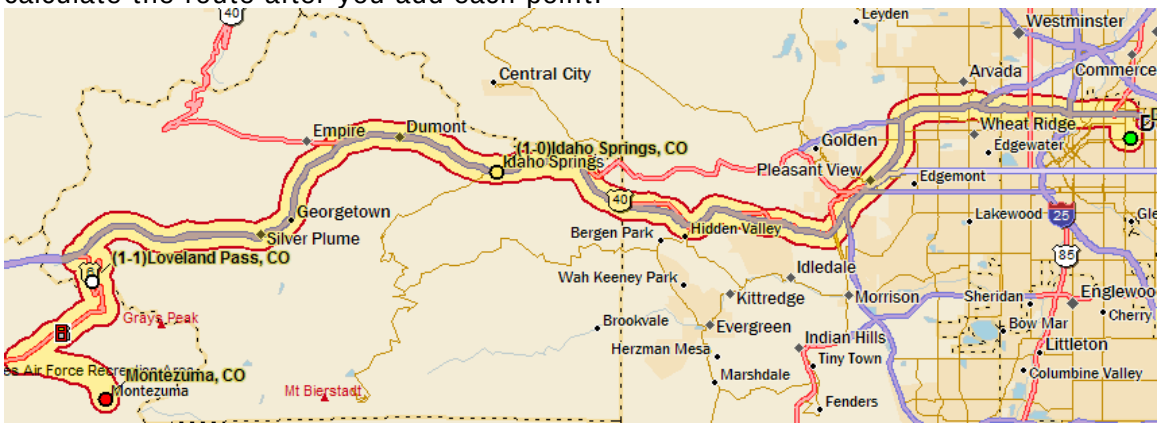
To ensure the route is calculated for your activity, select the **Driving** button and then select **Road-Quickest** as the route calculation method.



Step 6 — Calculate the route

Click **Calculate** to calculate the route.

Tip Select the **Auto** check box next to the Calculate button to automatically calculate the route after you add each point.



Tutorial: Routing with GPS — Tab View

Ever been lost, unsure of a turn, or had to stop unexpectedly during the course of a road trip? Using Street Atlas USA® on a portable computer with a compatible GPS device, such as Earthmate® GPS, can solve those common traveling problems for good!

This tutorial explains routing with GPS in GPS tab view. This option allows you to use the GPS tab to control navigating and tracking. By default, the tabs and Control Panel are visible, but you can opt to hide them. It is available only in 2-D mode.

To turn NavMode (the default view) off so you can use GPS tab view, click the **NavMode** button on the toolbar.

To learn more about NavMode, see the Routing with GPS - NavMode tutorial on page 41.

To learn more about using your GPS with your application, see the Help topics under *Using GPS*.

Step 1 — Get ready

1. Connect your GPS device to your portable computer. Ensure the speakers are turned on and loud enough for you to hear while driving.
2. Launch Street Atlas USA.

Step 2 — Start the GPS

Click the **GPS** button on the toolbar to start your GPS.
If you are using a GPS device that is not an Earthmate GPS device, and you have not initialized it in Street Atlas USA before, you will need to initialize the device using the GPS Settings tab in the Options dialog box.

Note If you do not see the GPS button on the toolbar, right-click the toolbar and select the GPS/Exchange option.

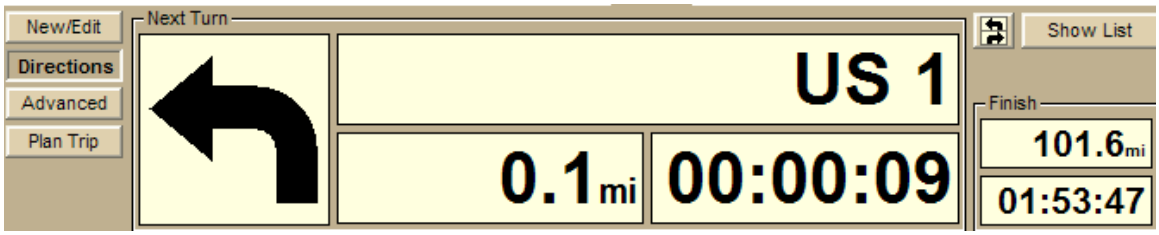
Step 4 — Create your route

Create a route using your current GPS location as the route start point and your destination as your finish. You can create routes using the Route tab, the toolbar, or right-click functionality; in this tutorial, we are using the toolbar.

Step 5 — Show turns

Click the **Show Turns** button on the GPS tab.

OR
Click the **Route** tab, click the **Directions** subtab, and click **Show Turns**.
An arrow indicates your direction of travel. Click the **More** button to get information on the turn after your next turn.



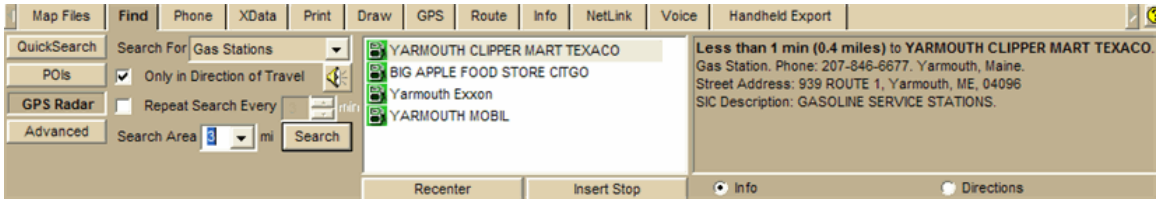
Step 6 — Start driving

Your current position displays on the map as a green/yellow circle — green indicates a 3-D fix, yellow indicates a 2-D fix — and the computer speaks the route directions. If you have set up speech recognition software, you can ask the computer questions like, "What is the next turn?" or "Where am I?" For more information, see Voice Overview on page 249.

Step 7 — Find points of interest near your location

Running low on gas? Maybe you're hungry and want to find the nearest fast food restaurant? Click the **Find** tab and click the **GPS Radar** subtab to search for your category of interest.

If you select the **Only in Direction of Travel** check box, you won't have to back track to make your next stop; however, if you're driving in a very rural area, the closest point of interest may be behind you. For more information, see Finding Points of Interest Near Your Current Location on page 127.



Tutorial: Routing with GPS — NavMode

This tutorial explains routing with GPS in NavMode. This is the default GPS view — a hands free full-screen view that you can display in 2-D or 3-D. By default, the Control Panel is hidden and the tabs are minimized; however, you can change your display options. If you are playing back a GPS log file, the tab area is not minimized so you have access to the controls.

You can also route with GPS using GPS tab view. To learn more about routing with GPS in tab view, see the Routing with GPS - Tab View tutorial on page 39.

To turn NavMode on or off, click the **NavMode** button on the toolbar. When the button appears indented NavMode is on.

Note The button is greyed out unless you have a GPS device plugged in or are playing back a GPS log file.

To learn more about using your GPS with your application, see the Help topics under *Using GPS*.

Step 1 — Get ready

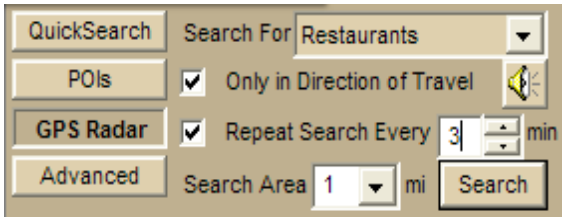
Create a Route

Before you get ready to leave on your trip, use the application to create a route using your current GPS location as the route start point and your destination as your finish. You can create routes using the Route tab, the toolbar, or right-click functionality; in this tutorial, we are using the toolbar.

Find POIs

You can set up your application to automatically find points of interest using the GPS Radar option.

1. Click the **Find** tab and click the **GPS Radar** subtab to search for your category of interest. For this tutorial, we want to know where we can find restaurants.



2. If you select the **Only in Direction of Travel** check box, you won't have to back track to make your next stop; however, if you're driving in a very rural area, you may not want to use this feature because the closest point of interest may be behind you.
3. Select the **Repeat Search Every** check box and enter a number of minutes. **Important** You must select this for your results to display.

4. If you want to hear the search results, click the **Speech** button .
5. From the **Search Area** scroll list, select a distance in miles to limit your search to a certain driving distance from your current location.

For more information about GPS Radar, see Finding POIs Near Your Current Location on page 127.

Step 2 — Start the GPS

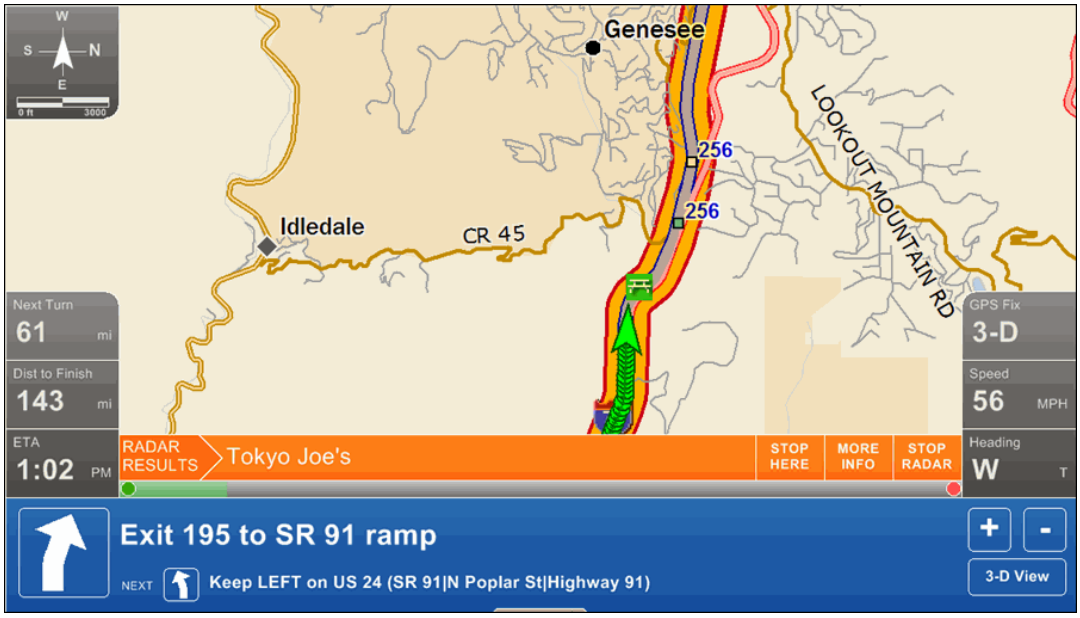
1. Connect your GPS device to your portable computer. Ensure the speakers are turned on and loud enough for you to hear while driving.
2. Launch Street Atlas USA.
3. Make sure the NavMode button on the toolbar is on (appears indented).
4. Click the **GPS** button on the toolbar to start your GPS.
   If you are using a GPS device that is not an Earthmate® GPS device, and you have not initialized it in Street Atlas USA before, you will need to initialize the device using the GPS Settings tab in the Options dialog box.

Note If you do not see the GPS button on the toolbar, right-click the toolbar and select the GPS/Exchange option.

Step 3 — Start driving

The computer speaks the route directions as you drive. If you are using speech recognition software, you can ask the computer questions like, "What is the next turn?" or "Where am I?"

NavMode in 2-D



NavMode Display

- **Compass**—The default map setting is North up in 2-D and in the GPS direction in 3-D. To change the compass, select or clear the **Rotate Map in GPS** option on the GPS tab in the Options dialog box.

- **Next Turn**—The distance to the next turn, based on the units selected on the Display tab in the Options dialog box.
- **Dist to Finish**—The distance to the finish point on your route, based on the units selected on the Display tab in the Options dialog box.
- **ETA**—The estimated time of arrival at the finish of your route. This is based on the time and time zone set on your computer. If your trip goes beyond the current day, the day of arrival also displays. The ETA does not include any layover time at a stop.
- **GPS Fix**—Indicates if your GPS fix is 2-D or 3-D. If you do not have a fix or if the GPS is acquiring a fix, "No Fix" displays.
- **Speed**—Displays the speed you are traveling, based on the units selected on the Display tab in the Options dialog box.
- **Heading**—Displays as degrees T (True North) or M (Magnetic North) based on the bearing selected on the Units area in the Options dialog box.
- **Radar Results**—If you are using GPS Radar, an orange bar displays the closest search result. Click **Stop Here** to insert a stop into your route. Click **More Info** to open the GPS Radar subtab on the Find tab and get more information about the result. Click **Stop Radar** to stop searching.
- **Progress Bar**—The progress bar displays below the orange bar. It shows how far along you are in your route by distance.
- **Turns**—The blue area at the bottom of the screen shows the next turn in large text and the following turn in smaller text. An arrow showing the direction of each turn displays next to the text.
- **Zoom In/Out**—Click the plus sign in the Turns area to zoom the map in. Click the minus sign to zoom the map out.
- **3-D/2-D View**—To view the map in 3-D, click **3-D**. If you are viewing the map in 3-D, click **2-D** to view the map in 2-D.

NavMode in 3-D

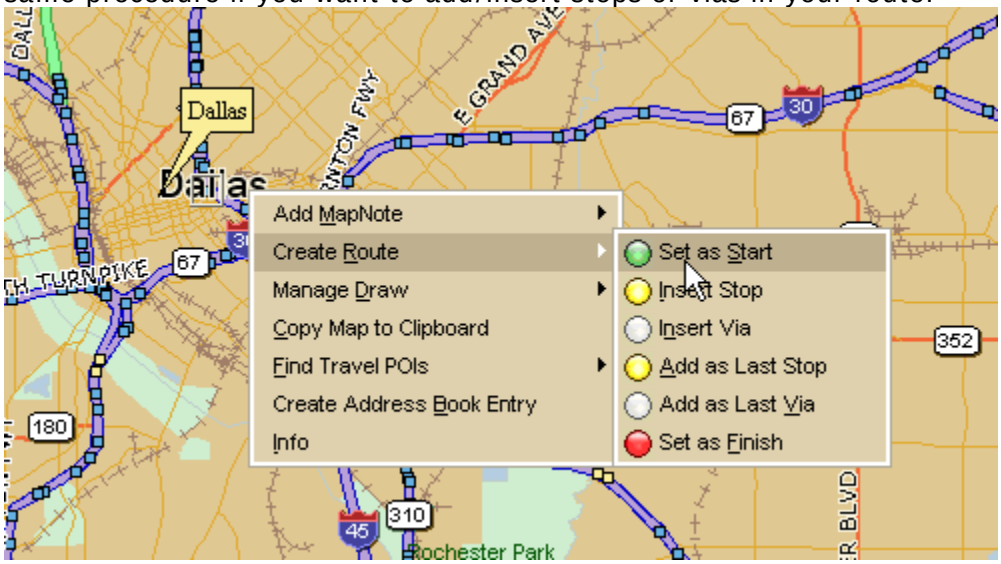
Tutorial: Finding Points of Interest

You can search for points of interest, such as restaurants and truck stops, along a route using the POIs subtab in the Find tab. If you are traveling with GPS, you can use the Radar subtab to find the closest point of interest to your current location.

Step 1 — Create a route

The route in this tutorial was created with right-click functionality. For more information about the different ways you can create routes, see Creating a Route on page 217.

1. Right-click the location on the map that you want to set as your route start, point to **Create Route**, and then click **Set as Start**.
2. Right-click the location on the map that you want to set as your route finish, point to **Create Route**, and then click **Set as Finish**. You can follow this same procedure if you want to add/insert stops or vias in your route.

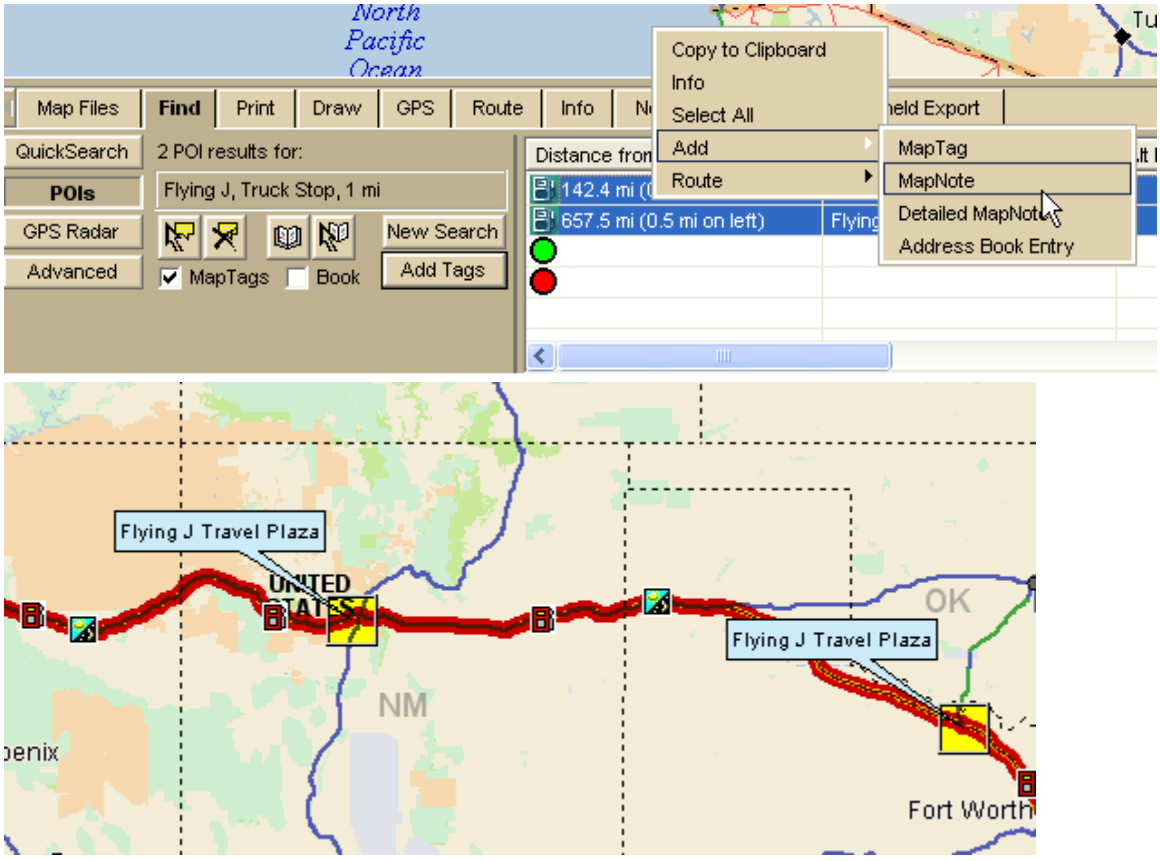


Step 2 — Use the Find tab to search for POIs

1. Click the **Find** tab and then click the **POIs** subtab.
2. Type the name of the point of interest you want to search for (such as Flying J, Exxon, McDonalds, etc.) in the **Name** text box.
3. Type a keyword for the point of interest (such as truck stop, gas station, restaurant, etc.) in the **Keywords** text box.
4. Type the distance within which you want to search for the POI.
5. To find POIs along the route, select the **Along Current Route** option. Then, click **Search**.
   You may be prompted to select which route you want to search within and/or to select from a group of general POI categories.

Step 3 — Add results to the map

The search results display in the Find tab. To view the results on the map, hold the CTRL key on your keyboard while you click to select each of the search results. Then, right-click the results you highlighted, point to **Add**, and click **Add MapNote**.



Step 4 — Add more POIs

Repeat steps 2 and 3 for each point of interest you want to search for along your route.

Tutorial: Phone Tab Results by Road

You can use right-click functionality to find all of the residential and/or business phone listings for a particular street or block.

- The Phone tab is available only in Street Atlas USA® Plus.
- A hyphen (-) before the name in a search result indicates a business listing.
- An asterisk (*) before the name in a search result indicates a Do Not Call preference. *The person or business listed has registered a preference to not be solicited by telephone (as provided by law). DeLorme products cannot be relied upon as a method for legal compliance with state and federal regulations. A number is flagged as Do Not Call if at least one of the following is true:*
  The phone number is unlisted. Unlisted phone numbers allow customers to have their phone number be available from directory assistance but not published in any phone directories.
  *(**Note** Customers paying for non-published service desire complete privacy of their phone number, which means it is not published in the phone book and is unavailable from directory assistance. Non-published numbers are not available in Phone Data.)*
  The phone number is on the Federal Trade Commission's National Do Not Call Registry.
  You can register your home or mobile phone number or verify your registration at https://www.donotcall.gov.
  The address is on a mail preference list that limits mail solicitations.
  You can register your preference for mail and e-mail solicitations with the Direct Marketing Association at http://www.the-dma.org/
- Click **Clear** at any time to remove all of your search criteria from the Phone text boxes.
- Select the **Any State** option to include all states in your search or if you do not know the state for your query.

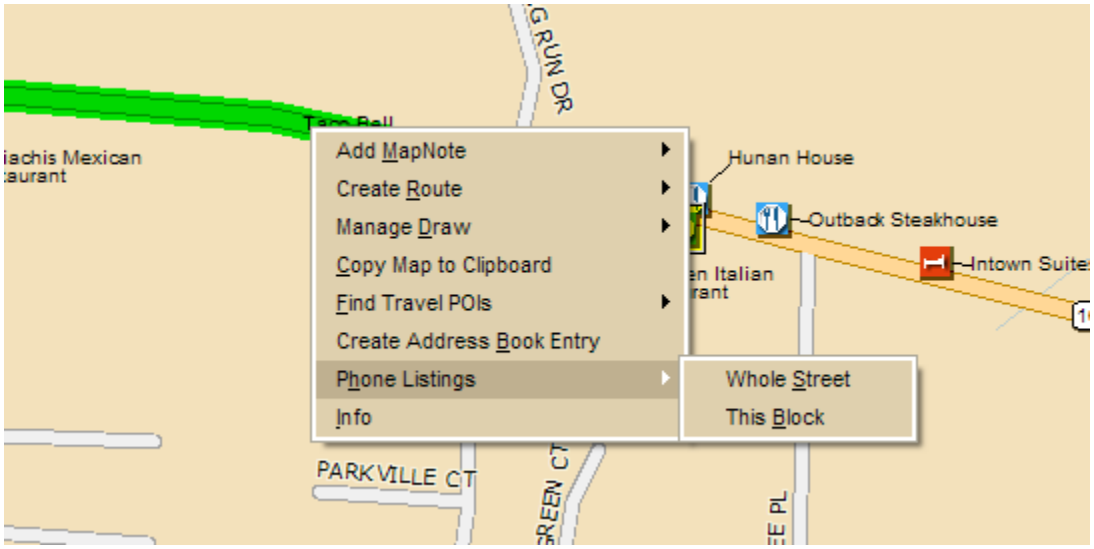
Step 1 — Find your location

Center the map on the road where you want to find phone listings.

Step 2 — Determine search area

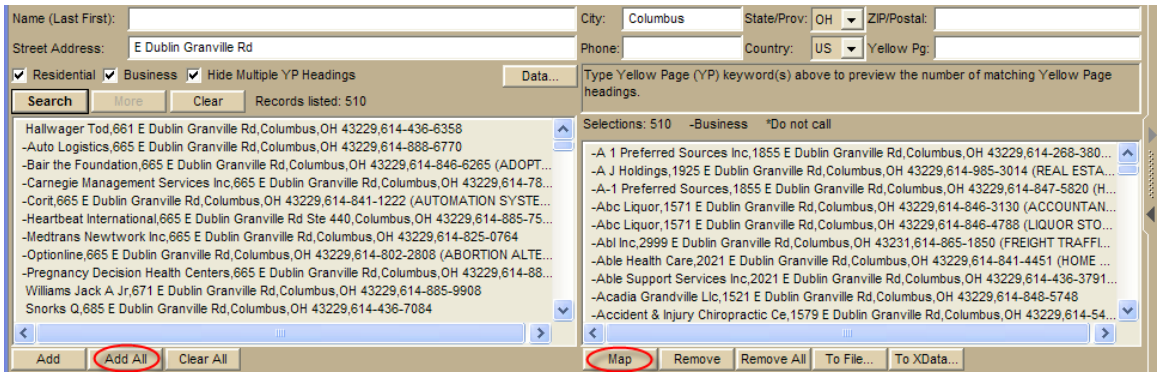
Right-click the road and click **Phone Listings**. Then select **Whole Street** or **This Block**. The Phone tab displays with the search results for that street or block.

Note If the area where you clicked includes more than one road, you will be prompted to select the particular road you want to search.



Step 3 — Add search results to selection area

Click the **Add All** button to move all of the search results to the Phone tab selection area.



Step 4 — View results as points on the map

Click **Map** to view all of the search results as points on the map. The name of each result will display next to the point.

Note Results in red show exact locations. Results in gray show approximate locations.

Step 5 — View details

Hover over the point on the map to see the phone information for that result in the status bar (above the tab area).

Note You can also right-click the point on the map and click **Info** to view all of the information for that result in the Info tab.

Tutorial: Routing with XData Points

Once you import an XData dataset, you can use the data to create a route.

Notes

- The XData tab is hidden by default. Use Tab Manager to show the XData tab.
- The XData tab is available only in Street Atlas USA® Plus.

Step 1 — Import the dataset

Import the dataset into the XData tab. For more information, see Importing Data on page 147.

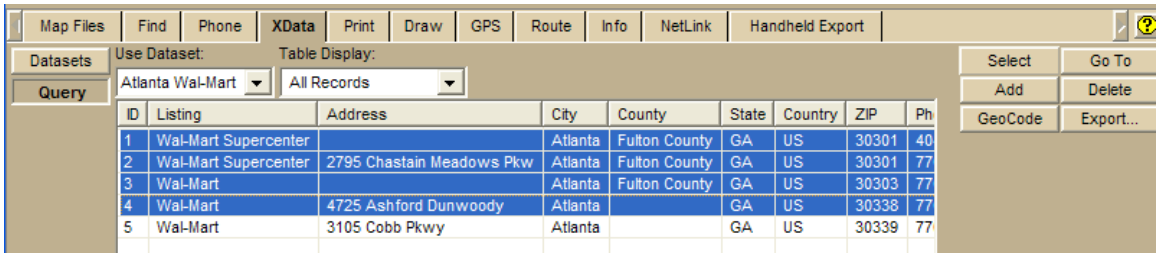
Step 2 — Create a route

Assign the Start and Finish points of the route. You can assign the Start and Finish using the Route options on the toolbar, right-click functionality, or the Route tab. For more information, see Creating a Route on page 217.

Step 3 — Select records to include as stops

Click the **Query** tab and select the records that you want to include as stops in the route.

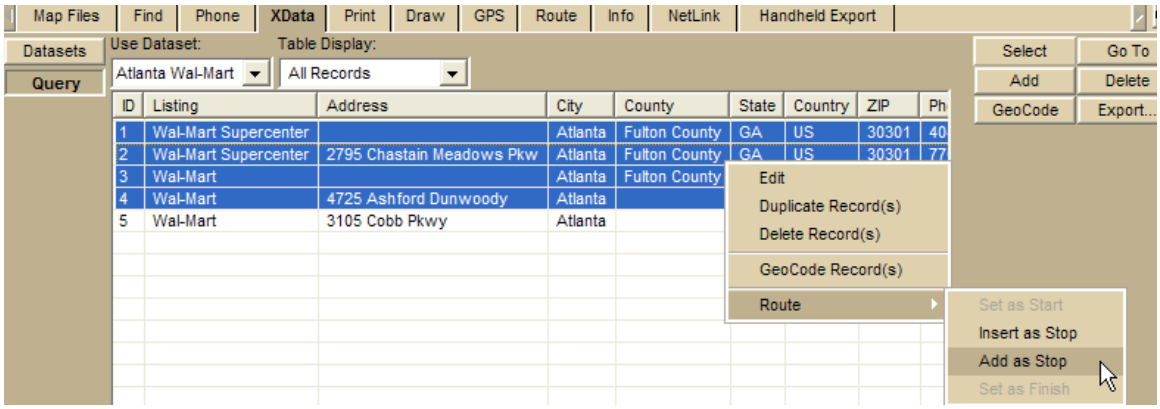
Note To select multiple records at once, hold the CTRL key on your keyboard while you select the individual records.



Step 4 — Add Stops to route

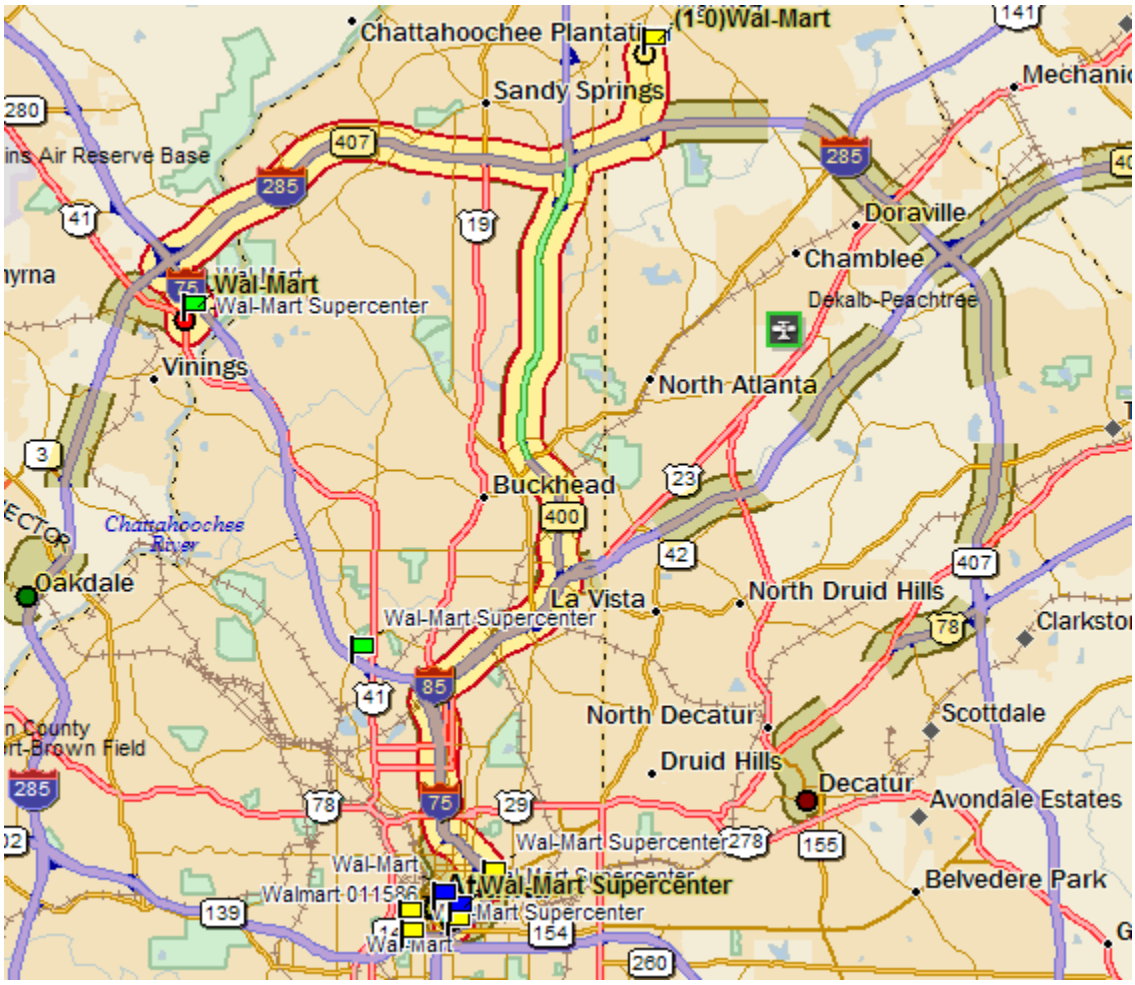
Right-click the selected record(s), point to Route, and then click **Add Stop** (to add the stops in the order they were selected in the table) or **Insert Stop** (to add the stops in geographical order).

Note Use the Advanced subtab in the Route tab to reorder multiple stops.



Step 5 — Calculate the route

If you do not have the Auto calculate check box selected in the Route/New Edit tab, click the **Go To** button on the right side of the tab or click the **Calculate** button in the Route tab. The route displays on the map.



Step 6 — Print the route directions

Print the directions as a Travel Package using the Print Route functionality.

Tutorial: Using Route Avoids

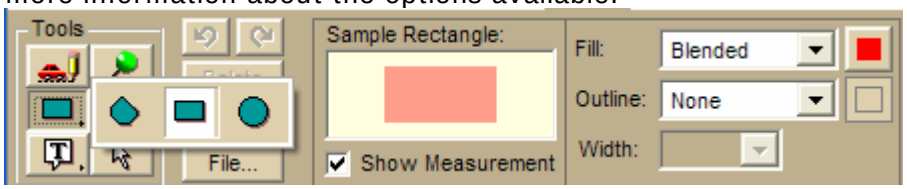
Ever been planning a trip only to find out that a major road you're planning to take is currently under construction? How about when you're in the middle of your travels and you see a sign that says "Road Construction next 35 miles"? The Route Avoid feature lets you assign an area to avoid and even recalculate an existing route.

Step 1 — Create a route

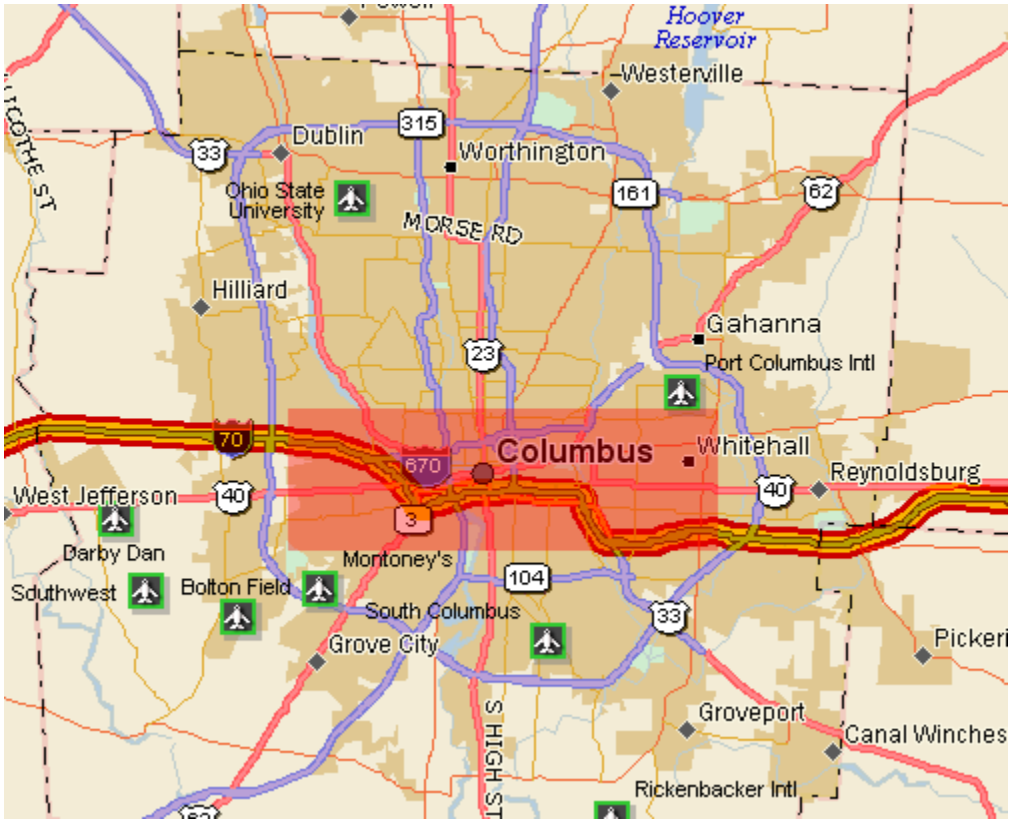
Create a route. There are several ways to create a route; see the Creating a Route tutorial on page 37 for more information.

Step 2 — Select the area to avoid

1. Decide which area you want to avoid. On this trip, we want to avoid Columbus Ohio.
2. Click the **Draw** tab, and then click and hold the **Polygon** tool and select the shape you want. .
3. From the **Fill** drop-down list, select **Blended**.
   Note See Placing a Circle, Rectangle, or Polygon on the Map on page 200 for more information about the options available.

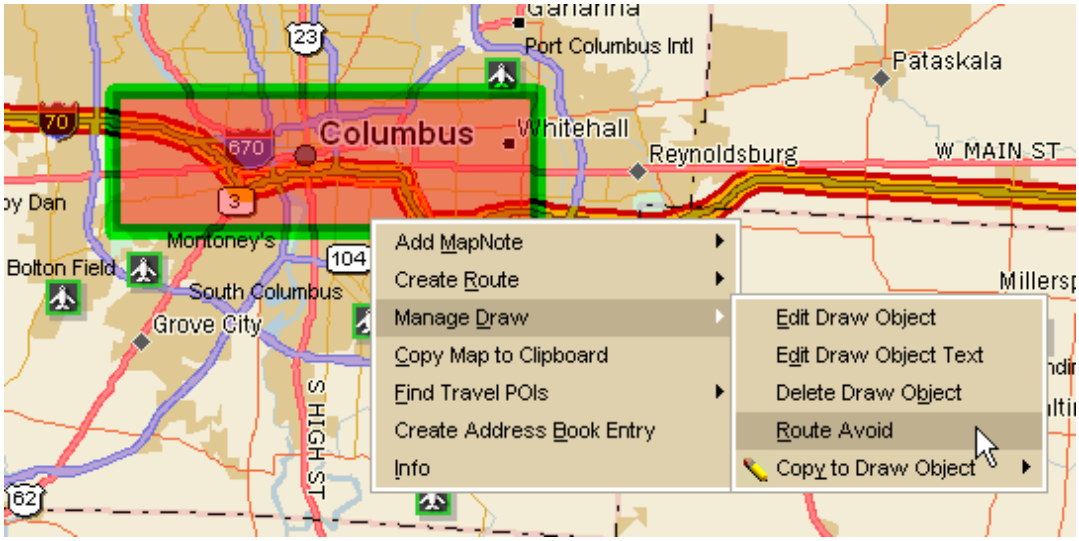


4. Click the map and drag the shape to cover the area to avoid.
   The measurements of the area you are covering display as you move the mouse.
5. When you have the area you want, release the mouse.
   The selected area is indicated by the fill color.



Step 3 — Create the route avoid

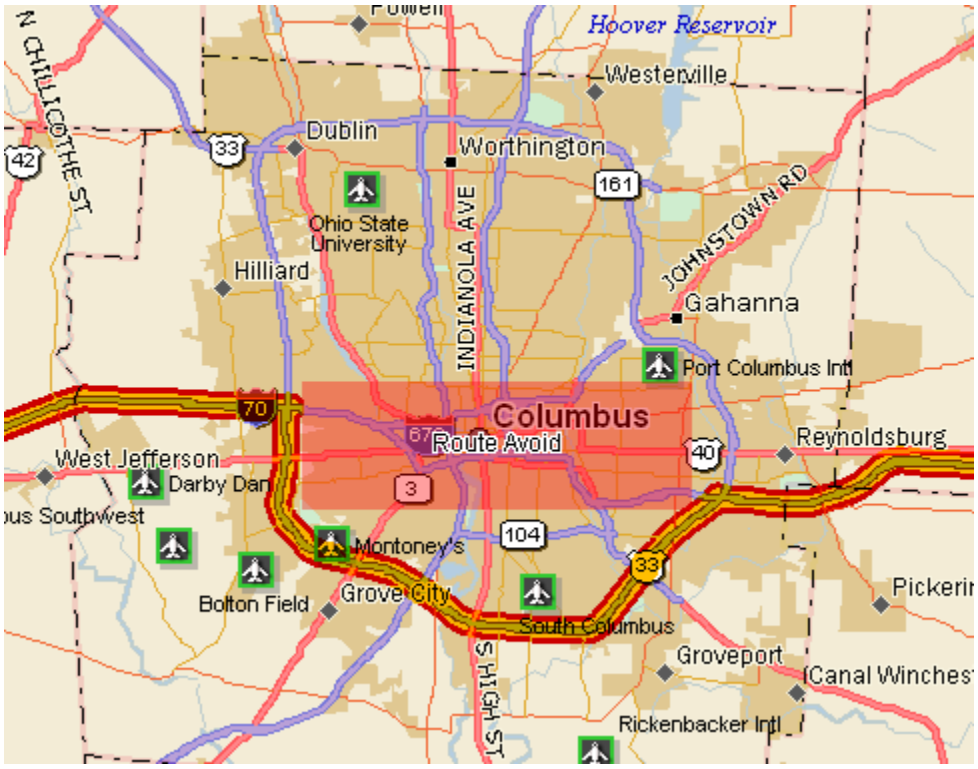
Right-click the new Draw object on the map, point to **Manage Draw**, and then click **Route Avoid**.



Step 4 —View the new route

The route automatically recalculates the best way to your destination, avoiding the specified area.

Note If the route does not recalculate automatically, the Auto check box in the Route tab is not selected.



Tutorial: Using MapShare

MapShare lets you create static maps with or without route directions to send to your friends, family, and associates.

Step 1 — Open the MapShare Wizard

Click the **MapShare** button on the toolbar to open the MapShare Wizard.

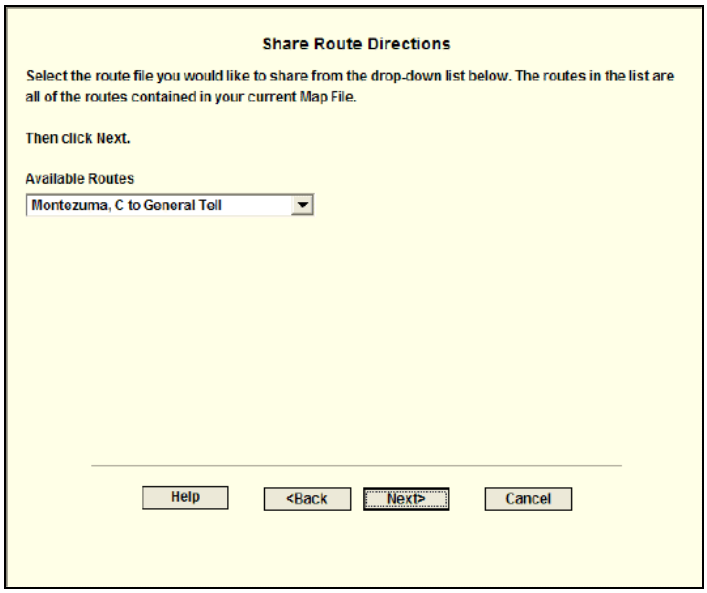
Step 2 — Select the type of information you want to share

Select **Share the Current Map View** (a static map) or **Share a Route Map and Directions** and then click **Next**.
For this tutorial, we will share a route map and directions.

MapShare™
Welcome to MapShare—DeLorme's Web-based map sharing system that allows you to share maps and route directions with friends, family, and associates.
To begin, select a sharing option below and then click Next:
Share the Current Map View
Share a Route Map and Directions
Manage My MapShares
Help
<Back
Next>
Cancel

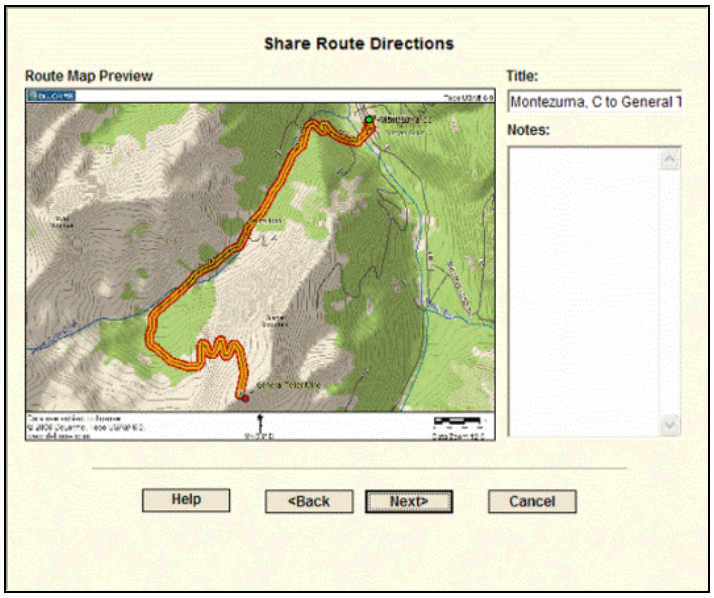
Step 3 — Select the route to share

Select the route file you want to share from the **Available Routes** drop-down list and then click **Next**.


Share Route Directions
Select the route file you would like to share from the drop-down list below. The routes in the list are all of the routes contained in your current Map File.
Then click Next.
Available Routes
Montezuma, C to General Toll
Help
<Back
Next>
Cancel

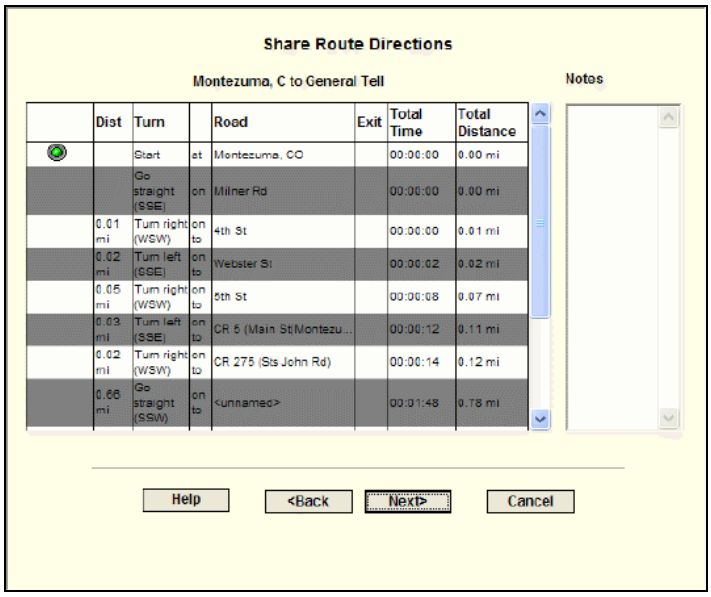
Step 4 — Add a title or notes to the route map

To add a title or notes to your route map, type the appropriate information in the text boxes and click **Next**.



Step 5 —Add notes to the directions

Then, if you would like to add notes to display with your directions, type them in the **Notes** text box and click **Next**.



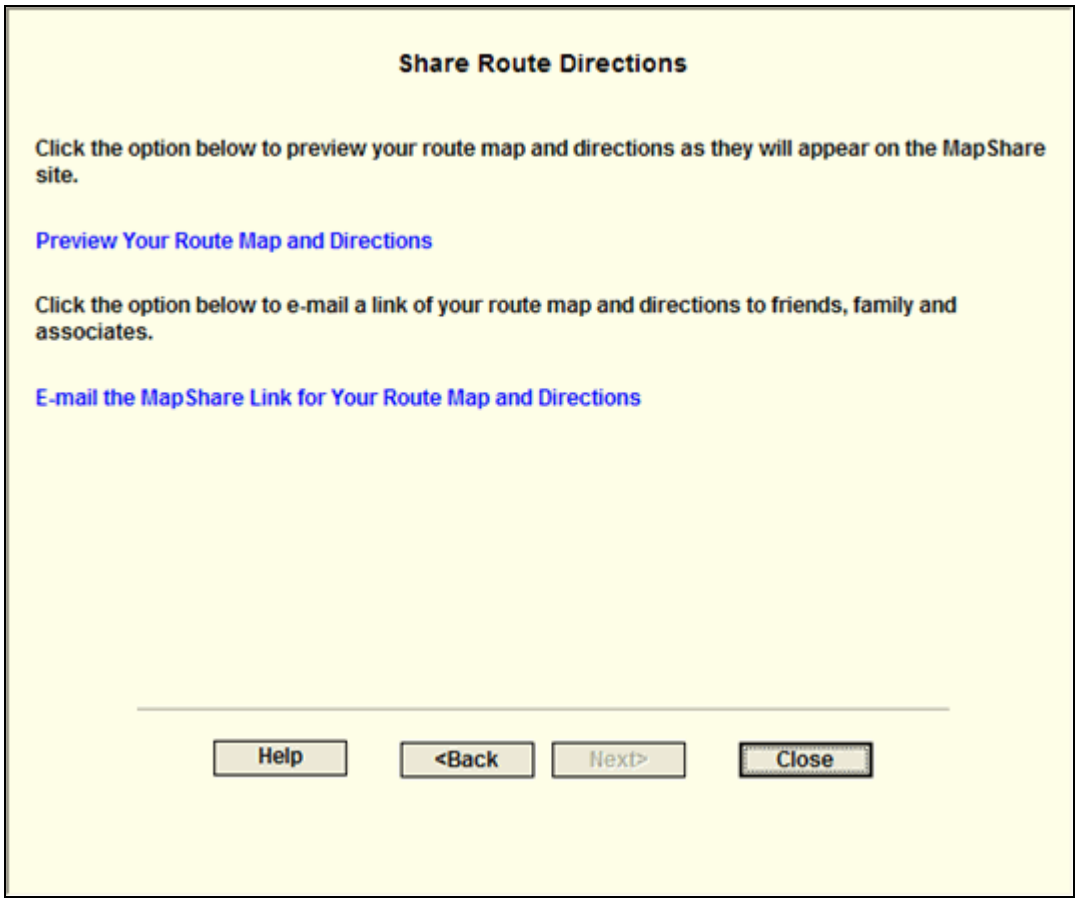
Step 6 — View upload confirmation

A message telling you that your map has been uploaded successfully to the MapShare site displays. Click **Next**.

Share Route Directions
Your route map and directions has been uploaded successfully to the MapShare site.
Click Next to preview the route map and directions and get a link to their location, or e-mail the route and directions to a friend or an associate.
Help
<Back
Next>
Cancel

Step 7 — Preview or e-mail the route

Click **E-mail the MapShare Link for Your Route Map and Directions** to e-mail a link of your route map and directions. This option is available only if an e-mail program is detected. If an e-mail program is not detected, copy and paste the link provided into your online e-mail program.
AND/OR
Click **Preview Your Route Map and Directions** to preview your route map and directions as they appear on the MapShare site.
Note Print your route map and directions from the MapShare site by clicking **Print** in the upper-right corner of the page.


Share Route Directions
Click the option below to preview your route map and directions as they will appear on the MapShare site.
Preview Your Route Map and Directions
Click the option below to e-mail a link of your route map and directions to friends, family and associates.
E-mail the MapShare Link for Your Route Map and Directions
Help
<Back
Next>
Close

Step 8 — Exit the MapShare Wizard

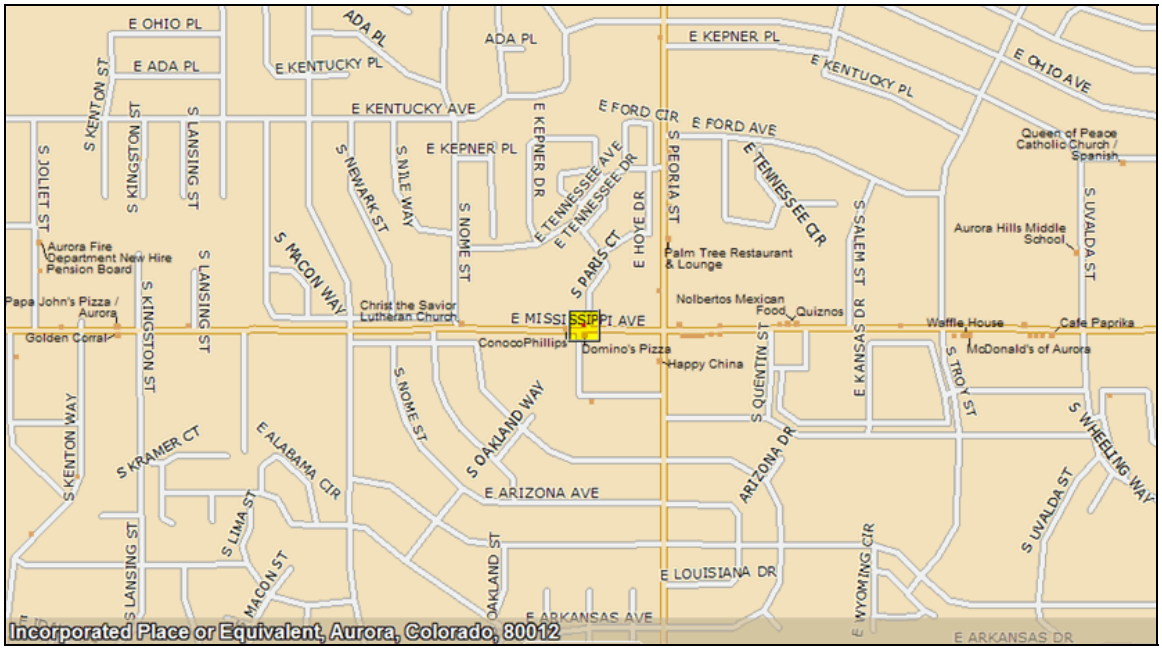
Click **Close** to exit the MapShare Wizard.

Tutorial: Using Portable Maps

If your portable media player stores photos, you can send your current map view to your portable media player as multiple static maps. You can click the Help button in the Portable Maps wizard at any time.

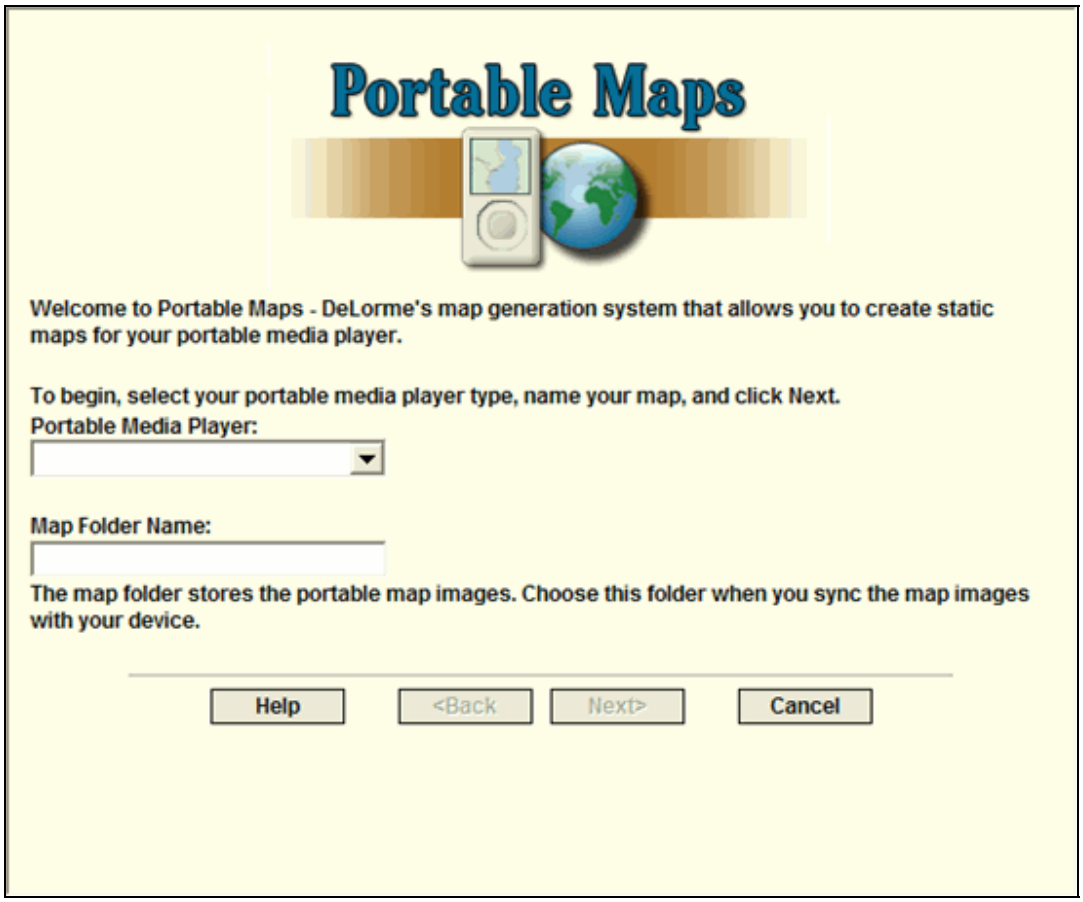
Creating Your Maps

Step 1 — Find the map area you want to transfer



Step 2 — Launch the Portable Maps wizard

Click the **Portable Maps** button on the toolbar to open the Portable Maps wizard.

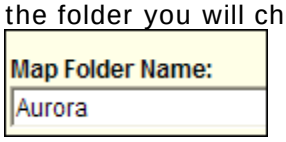

Portable Maps
Welcome to Portable Maps - DeLorme's map generation system that allows you to create static maps for your portable media player.
To begin, select your portable media player type, name your map, and click Next.
Portable Media Player:
Map Folder Name:
The map folder stores the portable map images. Choose this folder when you sync the map images with your device.
Help
<Back
Next>
Cancel

Step 3 — Select your device

If your device is listed, select it from the **Portable Media Player** drop-down list. If your device is not listed, select **Other**.

Step 4 — Enter the name of the map folder

1. Type the name of the map folder in which to store your map images. This is the folder you will choose when you sync the images to your device.

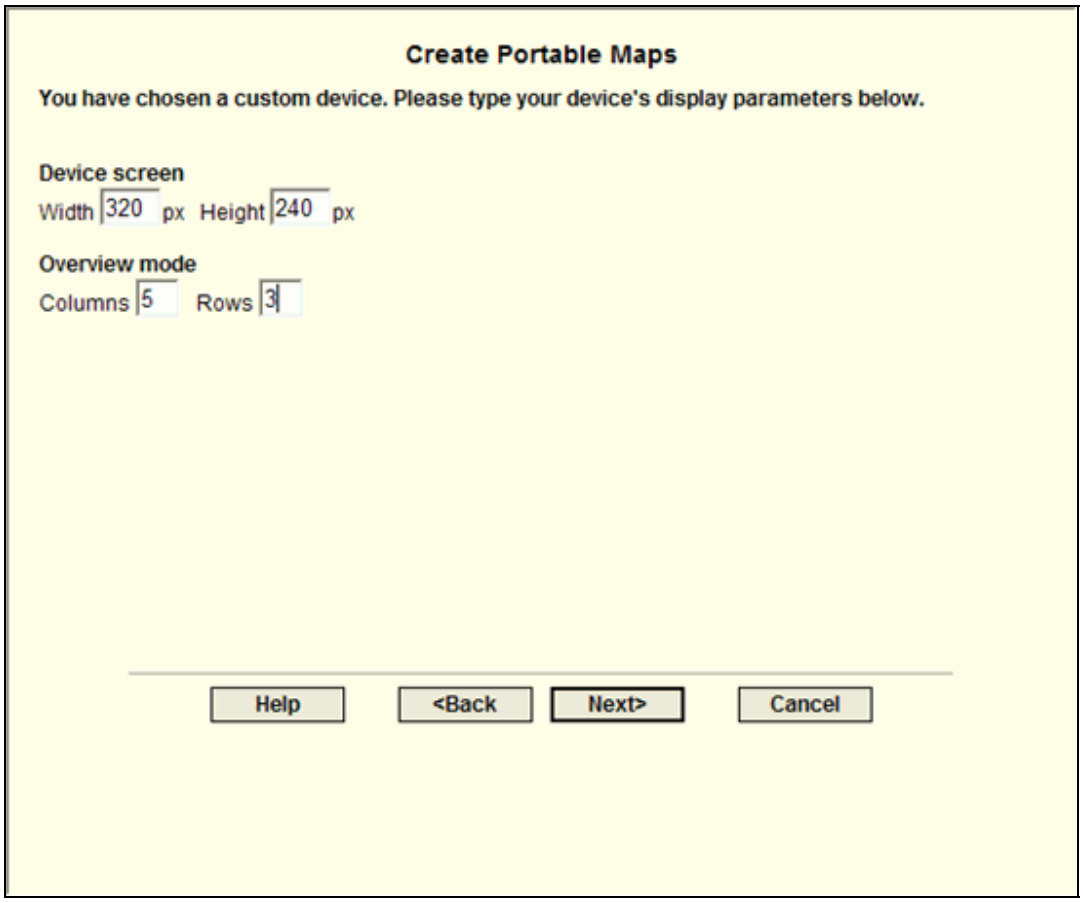


2. Click **Next**.

If you selected your device from the list, go to step 6. If you selected Other, go to the next step.

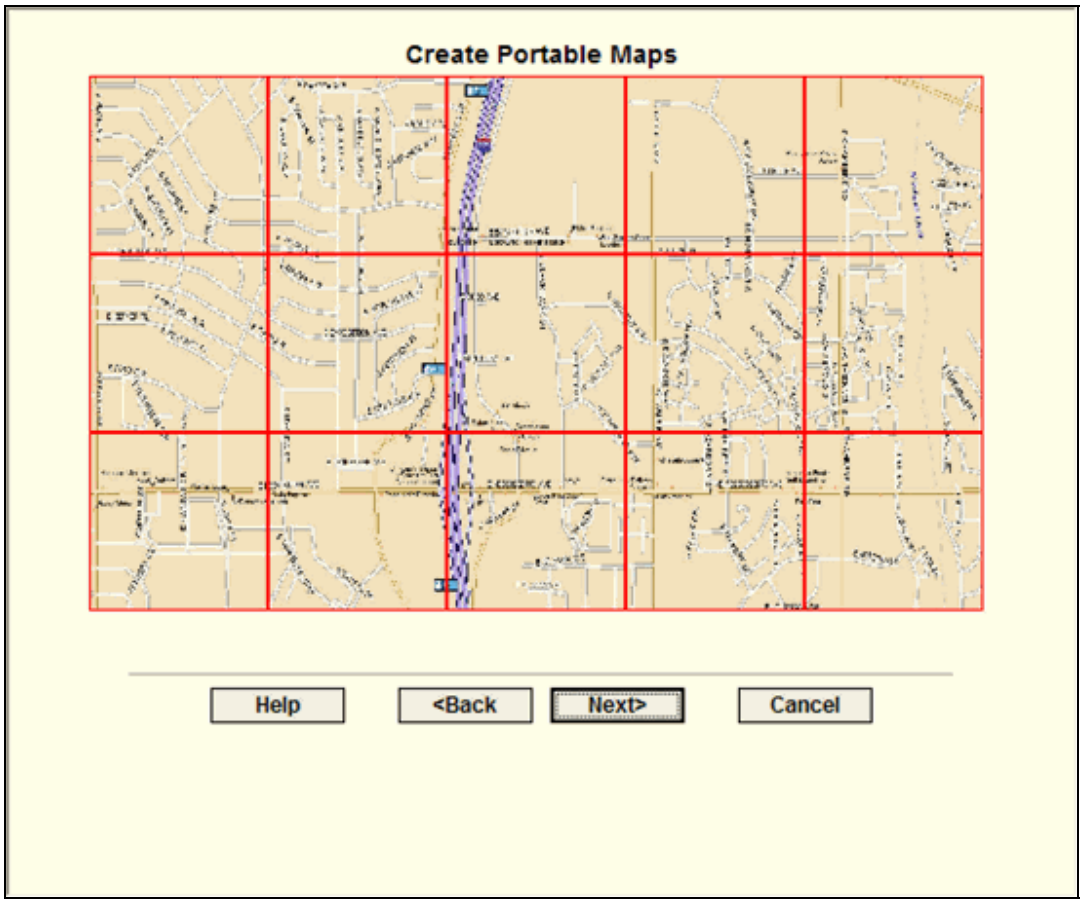
Step 5 — Enter the display information for your custom device

1. In the **Device screen Width** and **Height** boxes, type the screen size in pixels
2. In the **Overview mode Columns** and **Rows** boxes, type the number of columns and rows of photos that display when you view photos in preview mode on your device.
   The map will be divided into images based on the number of rows and column you can view, so if you have five columns and 3 rows, your map is divided into 15 images.


Create Portable Maps
You have chosen a custom device. Please type your device's display parameters below.
Device screen
Width 320 px Height 240 px
Overview mode
Columns 5 Rows 3
Help
<Back
Next>
Cancel

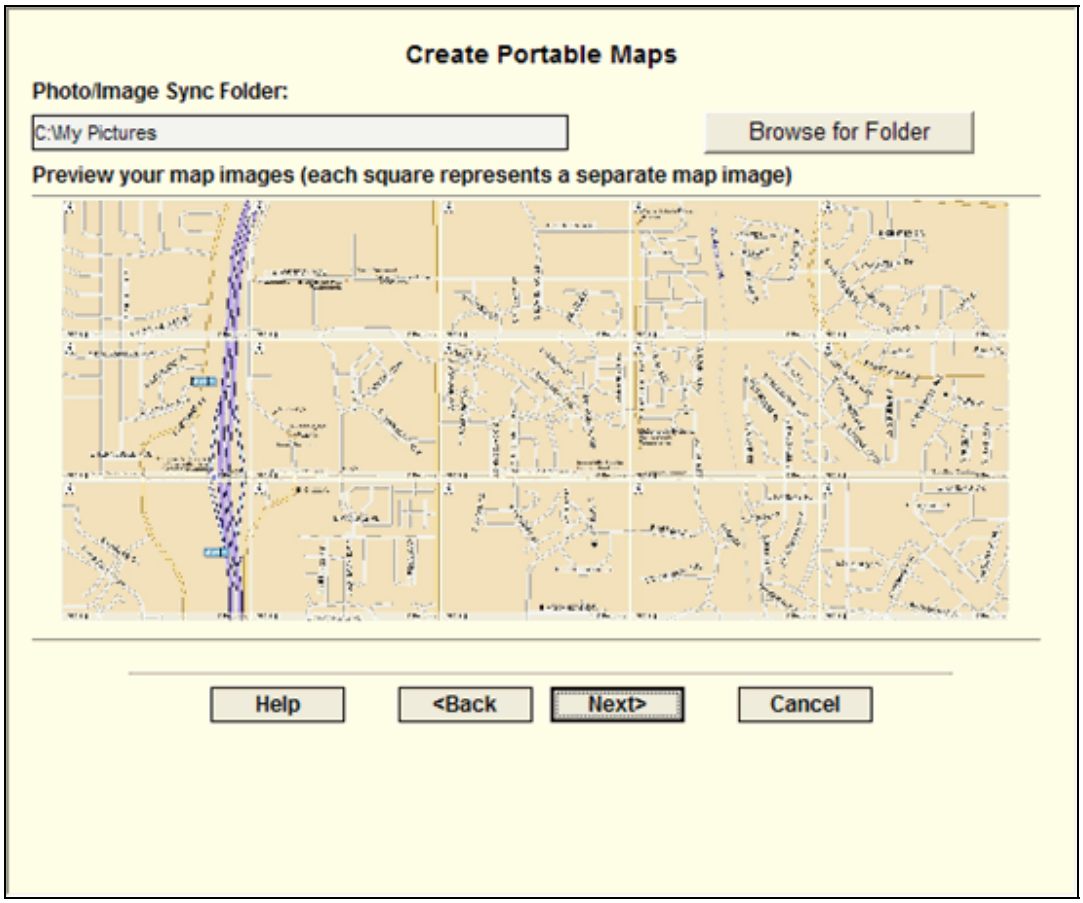
Step 6 — Create your maps

Click **Next** to create the maps.



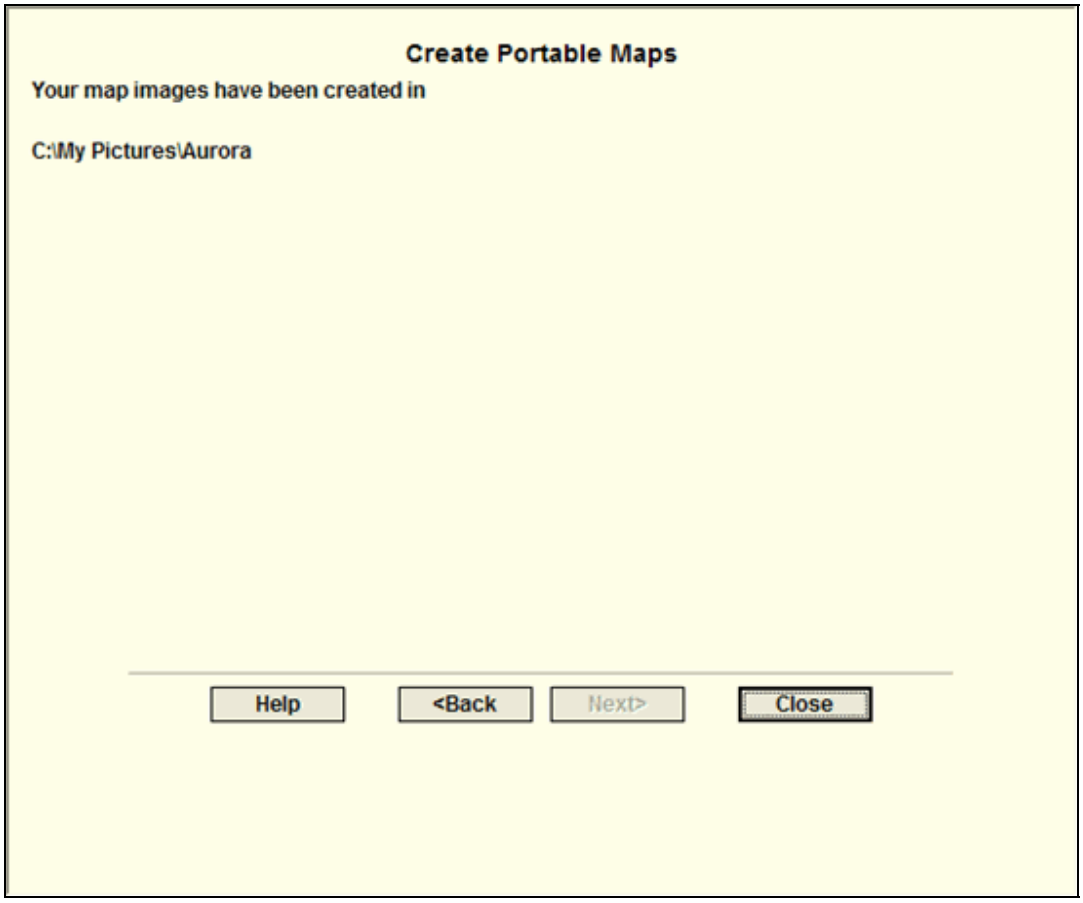
Step 7 — Save your images

1. Preview your images.
2. Click **Browse for Folder** and browse to location where you want to save the maps; this is location you use when you sync photos to your device.
3. Click **OK**. The path displays in the Photo/Image Sync Folder text box.
4. Click **Next**.



Step 8 — Close the wizard

The path where your images are saved displays. Click **Close**.



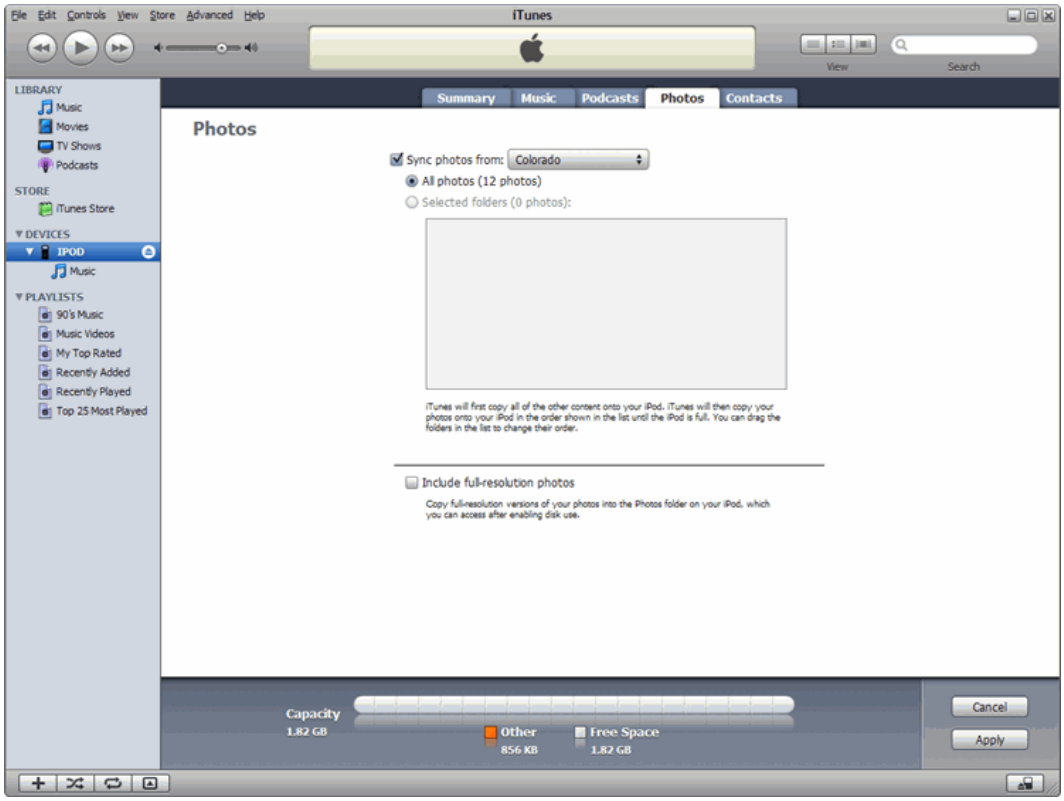
Step 9 — Sync the maps with your device

Use your portable media player's software to synchronize the maps with your device. If you have an iPod, see the instructions below.

Synchronizing Maps with an iPod

Use these instructions to synchronize the maps with an iPod using iTunes 7.

1. Connect the iPod to the computer and open iTunes.
2. Click the **Photos** tab.



3. Select the **Sync Photos From** check box. Then, select the directory from the drop-down list. If the location isn't listed, select **Choose Folder** from the drop-down list to browse to the directory.
4. Select to synchronize **All Photos** or **Selected Folders**. If you choose Selected Folders, select the check box next to the map folder name.
5. Click **Apply**.
   The Portable Maps are synchronized on the iPod.
6. Disconnect the iPod from the computer.

Note For more information about synchronizing and viewing files on your portable media player, see your device's user manual.

Map Legend

The features that display on the map may display differently depending on which map colors you chose on the Display tab of the Options dialog box. The tables below show the symbolization of each feature, by map color.

Notes

- Not all features are available at all zoom levels.
- Not all features are available in all datasets.
- High-contrast Color features display the same as the default features (except for land, which displays as black).

Routable Road Features

	Ferry Passenger
	Ferry Vehicle
	Interstate Highway (can also include this symbol:)
	Limited Access Road
	Local Road
	Major Connector, Forest Road
	Minor Connector
	Non Limited Access Interstate
	Primary State Route
	State Route (can also include this symbol:)
	Toll Road
	U.S./National Route (can also include this symbol:)
	Unclassified Road
	Unimproved Road

Land Cover

	Bare Rock or Sand
	Bureau of Land Management Land
	Bureau of Mine Reclamation Land
	Forest, evergreen
	Forest, mixed
	Ice or Snowfield
	Indian Reservation (at data zoom level 11)
	Indian Reservation (at data zoom level 2 thru 10-7)
	Intermittent Water
	Land
	Military Area (at data zoom level 11)
	Military Area (at data zoom level 2 thru 10-7)
	Mine or Quarry
	Parks
	River/Stream
	Transitional Area, Lava, Salt Flats, or Mixed Barren
	Water
	Wetlands

Point Features

	Amusements
	Airport (private)
	Airport (commercial public)
	Airport (general aviation public)
	Business (Amusement, Recreation, Specialty or Department Store)
	Camping (at data zoom level 14)
	Camping (at data zoom level 11 thru 13)
CEM	Cemetery
	Educational Facility
	Exit, with services (at data zoom levels 10 thru 11-7)
	Exit, without services (at data zoom levels 10 thru 11-7)

	Exit, food (at data zoom levels 12 thru 17)
	Exit, gas (at data zoom levels 12 thru 17)
	Exit, lodging (at data zoom levels 12 thru 17)
	Exit, other (at data zoom levels 12 thru 17)
	Fast Food
	Gas
	Hospital
	Lodging
	Metropolitan City
	National Capital (data zoom level 7 thru 10)
	National Capital (data zoom levels 2 thru 6)
	Point of Interest (smaller black square)
	Population Center
	Public Service
	Religious (buildings)
	Rest Area with Facilities (at data zoom levels 10 thru 11)
	Rest Area with Facilities (at data zoom level 12)
	Rest Area without Facilities (at data zoom levels 10 thru 11)
	Rest Area without Facilities (at data zoom level 12)
	Restaurants (general)
	Restaurants (specialty)
	Small City
	State Capital
	Unique Natural Feature (at data zoom level 8)

Line Features

	County Boundary
	Dam
	Game Management District
	International Boundary
	Park Boundary
	Pipeline
	Power Line
	Railroad (Abandoned)
	Railroad
	Runway
	State Boundary

Road Edit Features

	One Way, South or West
	One Way, North or East
	No Left Turn, South or West
	No Left Turn, North or East
	No Right Turn, South or West
	No Right Turn, North or East
	No Turn, South or West
	No Turn, North or East
	No Way

Using the Toolbar

Showing / Hiding Toolbar Options

You can customize the toolbar to show the options you use most. You can also activate toolbar options that are not turned on by default.

To modify the toolbar.

1. Right-click the toolbar.
   Toolbar options with a selected check box next to them are currently displayed on the toolbar.
2. Click an item to activate or inactivate it in the toolbar.

Reordering the Toolbar Options

To reposition the toolbar segments horizontally or vertically, just drag the dotted vertical bar that separates each segment to the new location (left, right, up, or down). You cannot move a toolbar segment above the top line on the toolbar.

To Create New Map Files

To create a new map file, click the **New** button on the toolbar. If you made changes to the map file that is currently open, the Save Changes dialog box opens.

For more information, see Creating and Deleting Map Files on page 100.

To Open a Map File

To open an existing map file:

1. Click the **Open** button on the toolbar.
   If you made changes to a map file that is already open, the Save Changes dialog box opens to ask you if you want to save your changes. **Note** Map files have .saf extensions and are saved by default in *C:\DeLorme Docs\Map Files*.
   The Open File dialog box opens.
   Note You can also click the arrow next to the **Open** toolbar button to open a menu. Then, click **Open Map File**.
2. Select the map file you want to view and click **Open**.

For more options for opening files, see Opening an Existing Map File on page 101.

To Save a Map File

To save the map file that is currently open:

1. Click the **Save** button on the toolbar.
   The Save File dialog box opens.
2. Browse to the location where you want to save the map file.
   If you want to rename the map file, type a new name in the **File Name** text box.
3. Click **Save**.

To Print

To print a map using the current settings in the Print tab, click the **Print** button on the toolbar.

To Print the Map Screen

To print the current view as it displays on the screen, click the **Print Screen** button on the toolbar.

To Share Maps

To share your current map view or a route map and directions, click the **MapShare** button on the toolbar to open the MapShare Wizard.
For information on e-mailing maps and routes with the MapShare Wizard, click the **Help** button in the MapShare Wizard.

To Share Online With Eartha Community Atlas

To launch the Eartha Community Atlas (ECA) wizard, click the **ECA** button on the toolbar. You can also access the Eartha Community Atlas website.
See Using Eartha Community Atlas on page 375 for more information.

To Send Static Maps to Your Portable Media Player

To send your current map view as multiple static maps to your portable media player, click the **Portable Maps** button on the toolbar to open the Portable Maps Wizard.
For more information, click the **Help** button in the Portable Maps dialog.

To Create a Route

To set route points using the toolbar:

1. Type the location where you want to start your route in the **Start** text box (next to the green **Start** button).
   OR
   Click the green **Start** button and then click the location on the map where you want to start your route.
   OR
   Select an address book entry, a previous location, or your current GPS position from the **Start** drop-down list.
2. Type the location where you want to end your route in the **Finish** text box (next to the red **Finish** button).
   OR
   Click the red **Finish** button and then click the location on the map where you want to end your route.
   OR
   Select an address book entry or your current GPS position from the **Finish** drop-down list.
3. Optional. If you want to add a stop or via to your route, click the **Stop** button or the **Via** button and then click the location on the map where you want to add or insert the stop or via. Repeat this step for each stop or via you want to add to your route.
   Note If the Add option is selected in the Route tab, stops and vias are added in the order they are added to the route. If the Insert option is selected in the Route tab, stops and vias are added in the order they are approached in the route. For more information, see Adding and Inserting Stops and Vias on page 219.
4. Click the **Calculate** button .

Note To use the current GPS location in a route, you must connect your device to your computer and click the **Start GPS** button on the toolbar or on the GPS tab.

Tip Once a route is calculated, you can use the subtabs in the **Route** tab to view route directions, edit a route, and more. Click the **Directions** subtab to view the route directions, the **Advanced** subtab to display the advanced routing options, or click **Back on Track** to add your current GPS position as a stop to the current route.

To Start/Stop Your GPS Connection

To start or stop your GPS connection, click the **GPS** button on the toolbar. If you are starting a connection, the GPS tab area opens so you can monitor your GPS status.
Note The GPS button on the toolbar is a toggle button that lets you start your GPS connection if the device is not active or stop the connection if it is active.

To Exchange Files with a GPS or PDA

Use the **Exchange** button on the toolbar (also on the GPS and Handheld Export tabs) to exchange objects such as maps, waypoints, tracks, and routes with a handheld device.

For more information on exchanging objects, see Help topics listed under Using Handheld Devices.

To Use GPS NavMode

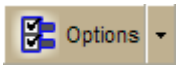
NavMode — a hands free full-screen view that you can view in 2-D or 3-D — is the default view when you navigate or track with GPS. You can turn off NavMode to display the GPS tab view.

To Turn NavMode On/Off

Click the **NavMode** button to turn it on or off. When the button appears indented , NavMode is on.

Note The button is greyed out unless you have a GPS device plugged in or are playing back a GPS log file.

You can also change your GPS view in the Options dialog box:

1. Click the **Options** button  on the toolbar and click the GPS tab. You can also click the **Options** button on the GPS tab.
2. Clear the **Use NavMode** check box to turn it off, or select the check box to turn it on.
3. Click **OK**.

To Grab and Pan the Map

To drag and pan the map in any direction, click the **Grab and Pan** button on the toolbar.

To Measure Distance

Use the following steps to measure linear distances and perimeter/area on the map. For more information, see Measuring Distance and Area on page 22.

1. Click the **Measure** tool on the toolbar.
2. Click point-by-point to draw a measurement line on the map. A text box displays next to your pointer indicating the total distance of the measurement

taken.
Note When you pass over a point in a road, measurement line, or measurement area to which you can snap, a yellow circle defines the snap point. Click to snap the point of the measure line to the road or measurement object's point coordinate. Press and hold the ALT key on your keyboard to disable snapping.

3. To end a measurement line, double-click the last point of the measurement line. The measure line displays as a two-pixel wide yellow line and the total length of the line displays in a label at each endpoint of the line.
4. To end a measure area, hover over the starting point until the yellow snap circle displays and then double-click the last point to the starting point. The perimeter measurements display.

To View Imagery

You can view imagery, such as aerial and satellite imagery, within the program. This data is available separately from DeLorme and can be purchased through the NetLink tab in your program; however, your purchase of Street Atlas USA® entitles you to free imagery and data! For download instructions, see the Downloading Imagery tutorial on page 33.

Use the Imagery button on the toolbar to turn imagery on and off, select which type of imagery you want to view, and also show roads on top of the raster data.

Note If no raster data types are detected, the Show Roads feature is grayed out and no data types are listed.

To Turn Raster Imagery On/Off

Click the **Imagery** button to toggle raster imagery on/off. When the Imagery button appears indented, all connected imagery displays on the map. When the Imagery button does not appear indented , no raster imagery displays on the map.

You can also turn raster imagery on/off by clicking the arrow next to the **Imagery** button and selecting the **Show Imagery** option from the menu. A selected check box next to the option indicates that imagery is currently displaying on the map; if the check box is cleared, it indicates that raster imagery is currently hidden.

To Show/Hide Roads in the Raster Imagery

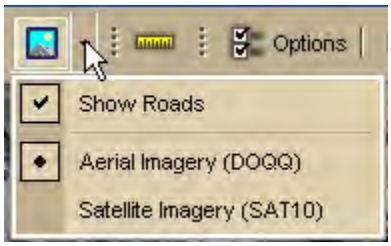
1. Click the arrow next to the **Imagery** button on the toolbar to open the Imagery menu.
2. If a selected check box displays next to the Show Roads option, road names/labels display in the imagery.
   OR
   If the check box next to the Show Roads option is cleared, road names/labels do not display in the imagery.

3. To change the Show Roads status, click **Show Roads** to toggle the option.

To Change the Raster Data Type

1. Click the arrow next to the **Imagery** button on the toolbar to open the Imagery menu.
   All of the connected, compatible raster data types are listed under the Show Roads and Show Imagery options.
   The active raster data type has a black dot next to it . In the graphic below, Aerial Imagery is the active raster data type.
2. To change the raster data type, click a different data type in the list.

Note Only one raster data type is displayed at a time.



To Get Information About a Location

Use the **Information** button on the toolbar to click a point, symbol, feature, measurement line, track, or area on the map to identify it and view detailed information about it.

Use the following steps to get information about a particular map feature.

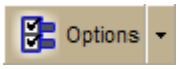
1. Click the **Information** button.
2. Click the map feature you want information for, such as a road, town, measurement line, waypoint, track, draw symbol, or point of interest.
   The Info tab opens and displays a list of information categories.
   Note Descriptive information may include a name or feature type, length/area, ZIP/Postal Code, town name, county name, state/province, coordinates, and Standard Industrial Classification categories.
3. Click the plus sign next to each of the information categories to expand the category to view more detailed information.
   OR
   Right-click in the information box and click **Expand All** to expand all of the information categories. Right-click in the information box again and click **Collapse All** to minimize all of the information categories.
4. Optional. Repeat steps 1–3 to get information about another location.
5. Optional. Right-click in the information box and click **Print** in the shortcut menu to print your map feature information.

Notes

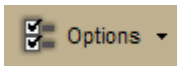
- You can also get information about a location using right-click functionality. Just right-click the location and click **Info** in the shortcut menu.

- The status bar (located above the tab area) displays draw object type, draw file information, point of interest name (if applicable), street name/address, highway, city, state/province, and ZIP/Postal Code information for the map location that your cursor is positioned on.
- Some map features (such as campgrounds, national scenic/historic trail information centers, and state parks) display with a blue outline at higher data zoom levels. The blue outline indicates that the feature has a hyperlink to its website. To open the hyperlink, right-click the feature and then click **Open Hyperlink** OR click the URL in the Info tab.

To Choose Options

To open the Options dialog box, click the **Options** button 

on the toolbar. Use the Options dialog box to set GPS, voice, display, map feature, handheld, and keyboard shortcut preferences. An Options button that opens the Options dialog box is also available on the Handheld Export and GPS tabs.

To open the Options menu, click the arrow next to the **Options** button 

on the toolbar. The following menu options are available:

- **Options**—Opens the Options dialog box.
- **Tab Manager**—Opens the Tab Manager dialog box where you can show or hide individual tabs and reorder tabs.
- **Change File Management**— Opens the Change File Management dialog box, where you can view or change your file management option. **Note** This option is available only for regular Street Atlas USA users.
- **UMPC Mode**—Allows you to turn the default UMPC view on or off. If UMPC mode is turned on, the check box next to it is selected. Click **UMPC Mode** to turn it on or off. For more information, see Using UMPC and Small-screen Devices on page 279. **Note** This option is available only if you selected to optimize the application for a UMPC during installation.

You can also customize your interface:

- **Show Tab Area Panel**—Allows you to show or hide all the tabs. If Show All Tabs is turned on, the check box next to it is selected. Click **Show Tab Area Panel** to show or hide the tab area.
- **Show Control Panel**—Allows you to show or hide the Control Panel. If Show Control Panel is turned on, the check box next to it is selected. Click **Show Control Panel** to show or hide it.

To Add Images to a GPS Location

To open the GeoTagger Wizard, where you can combine images with GPS information on the map, click the **GeoTagger** button on the toolbar. For more information, see Getting Started with GeoTagger on page 283.

Customizing the Map and Tab Display

Display Options Overview

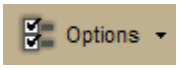
The following topics explain the display options available in the Options dialog box.

- Displaying Basic Map Features
- Customizing the Interface
- Customizing the Map Features Preferences
- Changing the Map Colors
- Changing the Map Magnification Level
- Changing How POIs Display on the Map
- Setting Units of Measure Preferences

Customizing the Interface

You can customize the interface for your application by hiding the tab panel area and the Control Panel. If you optimized your installation for use with an Ultra Mobile PC, you can turn UMPC Mode on or off.

To Customize the Interface

Click the arrow next to the **Options** button 

on the toolbar.

- Click **Tab Manager** to show or hide individual tabs or reorder tabs.
- If the tab panel area is showing and you want to hide it, click **Show Tab Area Panel** to clear the check box next to it.
  OR
  If the tab panel area is hidden and you want to show it, click **Show Tab Area Panel** to select the check box next to it.
- If the Control Panel is showing and you want to hide it, click **Show Control Panel** to clear the check box next to it.
  OR
  If the Control Panel is hidden and you want to show it, click **Show Control Panel** to select the check box next to it.
- If you optimized your program for use with an Ultra Mobile PC during installation, click **UMPC Mode** to turn the optimized view on or off. UMPC Mode is on when the check box next to it is selected. For more information, see Using UMPC and Small-screen Devices on page 279.

Notes

- You can also use keyboard shortcuts to hide and show the tab area panel and Control Panel and, if you installed the UMPC option, to optimize the interface for small-screen devices.
- Your settings are saved until you change them.

Displaying Basic Map Features

You can show or hide basic map features on your map.

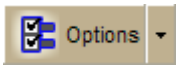
You can also customize map features and customize the interface.

Notes

- If you cannot make changes to the basic preference check boxes, verify the **Use Custom Map Features** check box is not selected.
- Click **Use Defaults** to change the map feature settings to the default preferences.

To Select Basic Map Feature Preferences

Use the following steps to change the basic map feature preferences. Changes made to the map view display almost immediately after selection.

1. Click the **Options** button 

on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Map Features** tab.
3. Select the check box next to the map features you want to display on the map.
   OR
   Clear the check box next to the map features you want to hide on the map.
   - **Grids**—The Grids option can be used to identify coordinate points on the map. Grid lines automatically adjust for the data zoom level of your map.
   - **Map Center Crosshair**—The map center crosshair indicates the map center at any data zoom level.
   - **Exits**—View exits on primary limited access roads, interstates, and toll roads. Available at data zoom level 10-0 or greater.
   - **One Ways**—One ways display as bright green triangles on roads, pointing toward the direction of travel (most noticeable in large cities). They are available at data zoom level 13-0 or greater.
   - **Places (Minor)**—View smaller towns, suburbs, locales, and natural features. Zoom levels vary.
   - **Roads (Minor)**—View secondary roads, local and rural routes, trails, and railroads. Zoom levels vary.
   - **Points of Interest**
     - **Major**—View many different points of interest, including recreational areas, public safety, rest areas, and more.
     - **Minor—**View general points of interest including educational, technology, government, and religious buildings/locations.
     - **Business (Major)**—View many different travel-related points of interest including hospitals, camping, restaurants, and more.
     - **Business (Minor)**—View general points of interest including small shops and food stores, laundromats, and golfing.

- **ZIP-Postal Codes**—ZIP/Postal Code boundaries display at data zoom level 8-0 and greater, with ZIP/Postal Code labels displaying at data zoom level 10-0 and greater.
- **Town Borders**—View town borders at data zoom level 10-0 and greater for the following states:

Arkansas	Louisiana	Mississippi	North Carolina	Vermont
Connecticut	Maine	Missouri	North Dakota	Virginia
Illinois	Maryland	Nebraska	Ohio	Washington DC
Indiana	Massachusetts	New Hampshire	Pennsylvania	West Virginia
Iowa	Michigan	New Jersey	Rhode Island	Wisconsin
Kansas	Minnesota	New York	South Dakota	

- **County Borders**—View shaded outlines of U.S. counties at data zoom levels 7-0 or greater.
- **International Labels**—View country labels at data zoom levels 2-0 through 4-0.
- **Urban Area Color**—Displays a shaded map area in populated regions at data zoom levels 9-0 and 10-0.

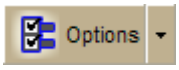
3. Click **OK** to commit the change and exit the Options dialog box.
   OR
   Click **Apply** to commit the change and keep working in the Options dialog box.

Customizing the Map Feature Preferences

You can change the display of a wide variety of map features so you can customize your map to meet your specific needs. You can even customize which POIs display.

To Set Custom Map Features

This is an advanced feature that lets you create a specific, custom set of map features for your map display from hundreds of options. Note that changes are not visible until you click the **Done** button.

1. Click the **Options** button 

on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Map Features** tab.
3. Select the **Use Custom Map Features** check box and then click **Customize Features** to display the custom options.
   Note Custom map feature selections override selections in the basic features list.
4. To quickly search for a particular type of feature, type the name of the item in the **Search** text box.

A list of matching keywords displays and corresponding feature types are listed in the **Search Results** window. Results for the number of keywords and types found also display.

A selected check box indicates the feature displays on the map.

- Select/clear the individual feature check box to show or hide that feature.
- Click the small **None** button to the right of the **Search Results** window to show none of the features listed.
- Click the small **All** button to the right of the **Search Results** window to display all of the features listed.
- Click **Only** to display only those features listed in the **Search Results** window.
- Click **Exclude** to display all features except those listed in the **Search Results** window.

5. To use the map feature tree to select which POIs display on the map, click the plus signs to expand the individual branches. A selected check box indicates the feature type displays on the map.
   Note Some branches expand further than others. Selecting/clearing a check box at a certain branch of the tree shows/hides all the items below that level.
   - Select/clear the individual map feature check box to show or hide that feature.
   - Click **All** to select all map features in the program.
   - Click **None** to select none of the types in the program.
     Note A small number of features cannot be turned off. They are part of the base map display and cannot be changed. This is why certain levels on the tree remain unavailable (appear dimmed or gray).
5. Click **OK** to accept the change and exit the Options dialog box.
   OR
   Click **Apply** to accept the change and keep working in the Options dialog box.

Notes

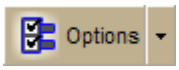
- When you save the current map file, the following feature preferences are saved in reference to map features:
  - Major map features preferences
  - Individual custom feature preferences
- When you create a new map file, the current map settings are used. Click **Use Defaults** to return to the default settings.

Changing the Map Colors

When you use a laptop computer while traveling, it can be difficult to see the map display on your screen. This can be especially true at nighttime or on a bright sunny day. Changing your default map colors to high-contrast map colors can make your map display easier to see.

To Change the Map Colors

Use the following steps to change the map display.

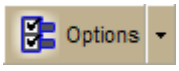
1. Click the **Options** button  on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Display** tab.
3. From the **Map Colors** drop-down list, select **High-Contrast Colors** to make the map display darker for improved in-vehicle visibility. Select Default Colors to use the standard display.
4. Click **OK** to accept the change and exit the Options dialog box.
   OR
   Click **Apply** to accept the change and keep working in the Options dialog box.

Changing the Map Magnification Level

If you want to change the size of the map image, but not change the degree of geographic detail on the map, use the magnification settings in the Options dialog box.

To Change the Map Magnification

Use the following steps to change the map magnification.

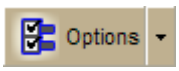
1. Click the **Options** button  on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Display** tab.
3. Select a magnification percentage (**50%**, **75%**, **100%**, **125%**, **150%**, **175%**, or **200%**) from the **Magnification** drop-down list.
   Note Although the size of the image changes, the degree of geographic detail does not.
4. Click **OK** to accept the change and exit the Options dialog box.
   OR
   Click **Apply** to accept the change and keep working in the Options dialog box.

Changing How POIs Display on the Map

You can change the data zoom level at which large POI symbols display on the map.

To Change the Data Zoom Level for Large POI Symbols

Use the following steps to change the data zoom level at which large POI symbols are displayed on the map.

1. Click the **Options** button  on the toolbar.
   OR

Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.

2. Click the **Display** tab.
3. Select the data zoom level from the **Large Symbols At** drop-down list.
4. Click **OK** to accept the change and exit the Options dialog box.
   OR
   Click **Apply** to accept the change and keep working in the Options dialog box.

Notes

- The appearance of a POI many change at different data zoom levels.
- The number of points of interest that displays is dependent on the basic map features you selected on the Map Features tab in the Options dialog box. For more information, see Displaying Basic Map Features on page 80.

This table shows the actions that may happen if you display major and minor POIs.

If you view large symbols at data zoom level...	You will see the following information at data zoom level 13-0	You will see the following information at data zoom level 14-0	You will see the following information at data zoom level 15-0	You will see the following information at data zoom level 16-0 *Regular Street Atlas*	You will see the following information at data zoom level 17-0 *Street Atlas Plus*
14	names and small square symbols	name of the POI and the large symbol	name of the POI and the large symbol	name of the POI and the large symbol	name of the POI and the large symbol
15	small squares only	name of the POI and a small square symbol	name of the POI and the large symbol	name of the POI and the large symbol	name of the POI and the large symbol
16	N/A	small square symbols only	name of the POI and a small square symbol	name of the POI and the large symbol	name of the POI and the large symbol
16 (Regular Street Atlas USA) 17 (Street Atlas USA Plus)	N/A	small square symbols and some names of POIs	name of the POI and a small square symbol	name of the POI and a small square symbol	name of the POI and the large symbol

Setting Units of Measure Preferences

You can change the units of measure used to represent how coordinate formats, distance, datum, and bearing listings display. Changing these preferences affects how units of measure display in several areas of the program: such as on the map and in the Control Panel.

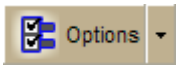
As you change your unit of measure preferences, a description of each choice displays in the information box (in the center of the Options dialog box) immediately after you select it.

To Change the Coordinate Preferences

Changing the coordinate preferences affects the:

- Coordinates display on the Control Panel.
- Coordinate MapNotes.
- Grid label display, if Grids are selected in Map Features.
- Any other place where coordinates display or print.

Use the following steps to change how coordinate measurement units display.

1. Click the **Options** button 

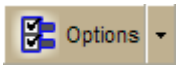
on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Display** tab.
3. Select the coordinate display format from the **Coordinates** drop-down list.
   - Degrees
   - Degrees, Minutes
   - Deg, Min, Sec
   - USNG (United States National Grid) ***Street Atlas USA® Plus only***
4. Click **OK** to commit the change and exit the Options dialog box.
   OR
   Click **Apply** to commit the change and keep working in the Options dialog box.

Note The Datum displayed is automatically adjusted when your change your coordinate preference.

To Change the Distance Preferences

Distance preferences affect how distance and areas display throughout the program.

Use the following steps to change the measurement units for distance and area.

1. Click the **Options** button 

on the toolbar and then click **Options**.
2. Click the **Display** tab.
3. Select the measurement from the **Measurements** drop-down list.
   - Statute Miles (statute feet are used for small distances)
   - Kilometers (meters are used for small distances)

- Nautical Miles/Feet (statute feet are used for small distances)
- Nautical Miles/Meters (meters are used for small distances)

3. Click **OK** to commit the change and exit the Options dialog box.
   OR
   Click **Apply** to commit the change and keep working in the Options dialog box.

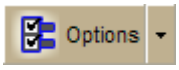
To Change the Bearing Preferences

Bearing listings are created as the result of creating route directions in the Route tab or from an Advanced (Distance From) search in the Find tab. Bearing refers to the compass direction of a given object measured clockwise in degrees (for example, 30°) or nearest compass point (for example, NNE) and indicated from True North or Magnetic North.

Notes:

- Magnetic declination is the difference in degrees between True North and Magnetic North at a specific location.
- The bearing setting does not affect map appearance.

Use the following steps to change the bearing.

1. Click the **Options** button 

on the toolbar and then click **Options**.
2. Click the **Display** tab.
3. Select the bearing from the **Bearing** drop-down list.
   - True North—The direction to the north pole. This is the default setting.
   - Magnetic North—The direction that a compass needle points.
3. Click **OK** to commit the change and exit the Options dialog box.
   OR
   Click **Apply** to commit the change and keep working in the Options dialog box.

Resizing the Map and Tab Areas

You can horizontally and vertically resize the primary (right) map, secondary (left) map, tab area, and overview map with the map and tab area resize tools.

Notes

- The tab and overview map window size does not change when you choose another tab.
- Some tab areas that provide search results automatically resize depending on the number of results.
- Street Atlas USA® displays both maps only when you are using GPS in GPS tab view. To use this feature, select the **Auto-display GPS Overview** check box on the GPS Settings tab in the Options dialog box.
- You can also hide the tab area panel.

To Resize the Map and Tab Area Using the Drag Method

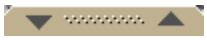
Use the drag method to horizontally or vertically resize these areas.

1. Point to the frame area between the tab and overview map windows. The pointer becomes a .

OR
Point to the horizontal edge of the tab/main map window. The pointer becomes a .

2. Drag to resize.
3. To cancel the resize while dragging, press the ESC key on your keyboard. The size just prior to this resize is restored.

To Resize the Map Area Using the Resize Tools



The map resize tool runs perpendicular to the tab area. If the secondary and primary maps are both displaying, the resize tool is the bar that separates them. When the bar is moved all the way to the left of the map, only the primary map displays. When the bar is moved all the way to the right of the map, only the secondary map displays.

There are several methods you can use to resize the map area:

- Drag the bar left to expose the area of the primary map you want to see.
- Drag the bar right to expose the area of the secondary map you want to see.
- Click the right arrow on the resize tool once to move the secondary map 1/4 of the screen width. You can repeat this step until the primary map is no longer visible.
- Click the left arrow on the resize tool once to move the primary map 1/4 of the screen width. You can repeat this step until the secondary map is no longer visible.
- Double-click the bar above the right arrow to show only the secondary map.
- Double-click the bar below the left arrow to show only the primary map.
- Double-click the bar between the right and left arrows to display an equal percentage of both the secondary and primary maps.

To Resize the Tab and Map Area Using the Resize Tools

There are two tab area resize tools. The horizontal resize tool is located above the tab area and lets you adjust the height of the tab area. The vertical resize tool is located between the tab area and the overview map lets you resize the width of the tab area.

Using the Horizontal Resize Tool

- Drag the horizontal bar up/down to expose the tab area you want to see.
- Click the up arrow on the horizontal resize tool once to incrementally increase the tab height. You can repeat this step until the top of the tab area is flush with the bottom of the compass rose in the control panel.
- Click the down arrow on the horizontal resize tool once to incrementally decrease the tab height. You can repeat this step until only the tab names display.
- Double-click the bar to the right of the up arrow to expand the tab height to its maximum percentage (if the tab height is at the default mode or higher).
  Note If the tab area is below the default mode, double-click the bar to return the tab height to its default percentage.

- Double-click the bar to the left of the down arrow to decrease the tab height to its minimum percentage (if the tab height is at the default mode).
  Note If the tab area is above the default mode, double-click the bar to return the tab height to its default percentage.
- Double-click the bar between the up and down arrows to return the tab height to its default view.

Using the Vertical Resize Tool

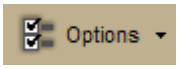
- Drag the vertical bar left to expose the area of the overview map you want to see.
- Drag the vertical bar right to expose the tab area you want to see.
- Click the right arrow on the vertical resize tool once to incrementally increase the tab width. You can repeat this stop until the overview map is no longer exposed.
- Click the left arrow on the vertical resize tool once to incrementally increase the width of the overview map. You can repeat this step until the tab area is no longer exposed.
- Double-click the bar above the right arrow to show only the tab area.
- Double-click the bar below the left arrow to show only the overview map.
- Double-click the bar between the right and left arrows to return the tab and overview maps to their default views.

Showing or Hiding Tabs

The Tab Manager feature allows you to customize your program by showing or hiding individual tabs. You can access Tab Manager:

- During installation
- After installation using the Tab Manager option in the Options menu
- From the Start menu

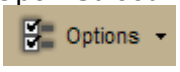
Notes

- If you use Tab Manager while the program is open, you must exit and restart the program to view the tab changes.
- To show or hide the entire tab area panel, click the arrow next to the **Options** button 

on the toolbar. If the tab area is showing and you want to hide it, click **Show Tab Area Panel** to clear the check box next to it. If the tab area is hidden and you want to show it, click **Show Tab Area Panel** to select the check box.

To Show Individual Tabs

Use the following steps to show tabs using Tab Manager.

1. Open Street Atlas USA®, click the arrow next to the **Options** button 

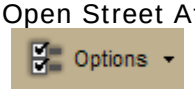
on the toolbar, and select **Tab Manager** from the menu.
   OR
   From the Start menu, point to **Programs**, point to **DeLorme**, point to **Street Atlas USA**, and then click **Tab Manager**.
2. Select the check box next to each tab you want to display in the program.
   Note Click **Default** to show all the tabs in the program in the default order.

3. Click **OK**.
4. Exit Street Atlas USA.
5. Open Street Atlas USA.

To Hide Individual Tabs

Hiding tabs may significantly increase the startup speed of Street Atlas USA.

Use the following steps to hide tabs using Tab Manager.

1. Open Street Atlas USA, click the arrow next to the **Options** button 

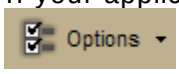
on the toolbar, and select **Tab Manager** from the menu.
OR
From the Start menu, point to **Programs**, point to **DeLorme**, point to , and then click **Tab Manager**.
2. Clear the check box next to each tab you want to hide in the program.
OR
Click **Minimum**. Only the required tabs will display in the program.
Note Find, Map Files, Info, and NetLink are required tabs and cannot be hidden.
3. Click **OK**.
4. Exit Street Atlas USA.
5. Open Street Atlas USA.

Importing/Exporting Tab Manager Preferences

Tab Manager includes a feature that allows you to share your custom tab manager preferences with other Street Atlas USA users.

To Import Tab Manager Preferences

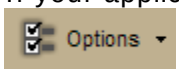
Use the following steps to import another user's Tab Manager preferences.

1. If your application is open, click the arrow next to the **Options** button 

on the toolbar and click **Tab Manager**.
OR
From the Start menu, point to **Programs**, point to **DeLorme**, point to your application, and then click **Tab Manager**.
2. Click **File** and then click **Import**.
The Import Tab Configuration dialog box opens.
3. Browse to the location of the configuration (preferences) file, select it, and then click **Open**.
Tab Manager displays with the preferences saved in the imported configuration file.
4. Click **OK** to close Tab Manager.
5. Exit your application.
6. Open your application.

To Export Tab Manager Preferences

Use the following steps to export your Tab Manager preferences as a configuration file.

1. If your application is open, click the arrow next to the **Options** button 

on the toolbar and click **Tab Manager**.
   OR
   From the Start menu, point to **Programs**, point to **DeLorme**, point to your application, and then click **Tab Manager**.
2. Click **File** and then click **Export**.
   The Export Tab Configuration dialog box opens.
3. Type a name for the configuration (preferences) file in the **File Name** text box and then click **Save**. Configuration files are saved by default in the *C:\DeLorme Docs\Configuration* directory.
4. Click **OK** to close Tab Manager.

Reordering the Tabs

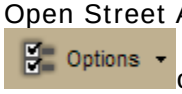
The Tab Manager feature allows you to customize your program by reordering tabs. You can access Tab Manager:

- During installation
- After installation using the Tab Manager option in the Options menu
- From the Start menu

Note If you use Tab Manager while the program is open, you must exit and restart the program to view the tab changes.

To Reorder the Tabs

Use the following steps to reorder the tabs with Tab Manager.

1. Open Street Atlas USA®, click the arrow next to the **Options** button 

on the toolbar and click **Tab Manager**.
   OR
   From the Start menu, point to **Programs**, point to **DeLorme**, point to **Street Atlas USA**, and then click **Tab Manager**.
2. Click the tab you want to reorder to highlight it.
3. Click the up arrow or the down arrow to move the tab to the new position.
4. Repeat steps 2 and 3 for each tab you want to reorder.
5. Optional. Click **Default** to cancel the reordering process and use the default tab order (showing all available tabs).
6. Click **OK**.
7. Exit Street Atlas USA.
8. Open Street Atlas USA.

Using Keyboard Shortcuts

Selecting a Keyboard Shortcut Scheme

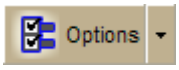
Your application comes with the following DeLorme keyboard shortcut schemes:

- Desktop Mapping
- In-vehicle Navigation

You cannot edit DeLorme schemes; however, you can create custom schemes that are editable. You can create as many additional custom schemes as you need.

To Select a Keyboard Shortcut Scheme

Use the following steps to select a keyboard shortcut scheme.

1. Click the **Options** button 

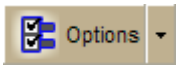
on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Select a scheme from the **Scheme** drop-down list.
4. Click **Apply** to activate the selected scheme.

Creating a New Custom Scheme

You can create a custom keyboard shortcut scheme for different program uses.

To Create a Custom Scheme

Use the following steps to create a custom scheme.

1. Click the **Options** button 

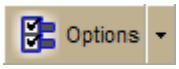
on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Click **File** and then click **New**.
   The Scheme drop-down list is completed with Custom Scheme# (where # indicates the incremental number for the number of custom scheme files you have created).
   Note If you want to rename the new scheme file, click **File**, click **Rename**, and then type a new name in the **Scheme** text box. Press the ENTER key on your keyboard when finished. The new name displays.
4. Assign keyboard shortcuts for the commands that are listed.

Assigning Keyboard Shortcuts in a Custom Scheme

There are three non-editable DeLorme keyboard shortcut schemes; however, you can create a custom scheme that you can edit with Keyboard Shortcuts tab in the Options dialog box.

To Assign Keyboard Shortcuts in a Custom Scheme

Use the following steps to edit a custom scheme.

1. Click the **Options** button 

on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Select a custom scheme from the **Scheme** drop-down list.
   Note You cannot edit DeLorme schemes.
4. Select the **List** option (if it is not already selected).
5. Select the command grouping you want to assign shortcuts to from the **Commands** drop-down list. If you want assign shortcuts to several groupings, select **All Commands**.
6. Click to select the command you want to assign a shortcut to.
7. Click inside the **Customize Shortcut** text box.
8. Press the shortcut key combination on your keyboard that you want to assign for that command.
9. Click **Assign**. The shortcut for that command changes to the combination you assigned and displays as "pending."
10. Repeat steps 4–8 for each command you want to assign.
11. Click **Apply** to save the changes.
    OR
    Click **OK** to save the changes and close the Options dialog box.
    OR
    Click **Cancel** to cancel your pending changes and close the Options dialog box.

Notes

- You can sort the command list view at any time by clicking the heading you want to sort by (**Group**, **Command**, or **Shortcut**).
- The following keyboard shortcut combinations cannot be changed:
  - ALT+F4 (Close Window)
  - F1 (Help)
  - ALT+F1 (Help Menu)
  - SHIFT+F10 (Context Menu)
  - CTRL+C (Copy)
  - CTRL+V (Paste)
  - CTRL+X (Cut)
  - CTRL+Y (Redo)
  - CTRL+Z (Undo)

- ALT+M (Set Focus on Map)

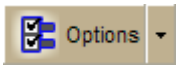
- The following keyboard keys cannot be used when assigning shortcuts:
  - Windows Key
  - Application Key
  - Print Screen
  - Scroll Lock
  - Sleep
  - Pause/Break
  - Enter
  - Caps Lock
  - Num Lock
  - Spacebar
  - Insert
  - Backspace
  - Multi-media Keys
- Letters and numbers cannot be assigned alone (for example, you cannot assign a keyboard shortcut with the number **3**). You must use a modifier (such as CTRL or ALT) with letters and numbers.

Customizing a DeLorme Scheme

You cannot edit DeLorme schemes; however, you can create a copy of a DeLorme scheme that you can modify to fit your needs.

To Customize a DeLorme Scheme

Use the following steps to customize a DeLorme scheme.

1. Click the **Options** button 

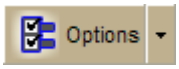
on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Select the DeLorme scheme you want to copy from the **Scheme** drop-down list.
4. Click **File** and then click **Copy**.
   The active scheme changes to Copy of Desktop Mapping#, Copy of In-vehicle Navigation#, Copy of 3-D Navigation#, etc. (depending on the DeLorme scheme you chose to copy).
5. Assign keyboard shortcuts for the copied scheme.
6. Optional. Rename the scheme.

Renaming a Custom Scheme

Custom schemes can be renamed to whatever name you choose. You cannot rename DeLorme schemes.

To Rename a Custom Scheme

Use the following steps to rename a custom scheme.

1. Click the **Options** button 

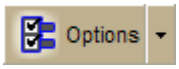
on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Select the custom scheme you want to rename from the **Scheme** drop-down list.
4. Click **File** and then click **Rename**.
   The Scheme text box becomes active.
5. Type the name in the Scheme text box.
6. Click **Apply**. The new name displays.
   OR
   Press the ENTER key on your keyboard. The new name displays.
   OR
   Press the ESC key on your keyboard to keep the old name.

Deleting a Custom Scheme

Once you have created a custom scheme, you can delete it at any time. You cannot delete DeLorme schemes.

To Delete a Custom Scheme

Use the following steps to delete a custom keyboard shortcut scheme.

1. Click the **Options** button 

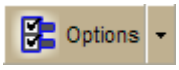
on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Select the custom scheme you want to delete from the **Scheme** drop-down list.
4. Click **File** and then click **Delete**.
5. Click **Yes** when asked if you are sure you want to delete the scheme.

Importing a Custom Scheme

You can share their keyboard shortcut schemes with other DeLorme users.

To Import a Custom Scheme

Use the following steps to import a custom scheme.

1. Click the **Options** button 

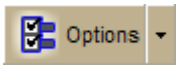
on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Click **File** and then click **Import**.
   The Import Scheme File dialog box opens.
4. Browse to the location where you saved the .keyscheme file, select it, and then click **Open**.
   The imported file is now your active scheme.

Exporting a Custom Scheme

You can share their keyboard shortcut schemes with other DeLorme users.

To Export a Custom Scheme

Use the following steps to export a custom scheme.

1. Click the **Options** button 

on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Select the scheme you want to export from the **Scheme** drop-down list.
4. Click **File** and then click **Export**.
   The Export Scheme File dialog box opens.
5. Type a name in the **File Name** text box, browse to the location where you want to save the .keyscheme file, and then click **Save**.

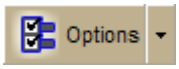
Searching For Commands

The Keyboard Shortcuts tab in the Options dialog box has a Search feature that lets you search for a specific command or command group.

Note You can sort the command list view at any time by clicking the heading you want to sort by (**Group**, **Command**, or **Shortcut**).

To Search For a Command or Command Group

Use the following steps to search for a command or command group.

1. Click the **Options** button 

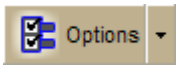
on the toolbar.
OR
Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Select the **Search** option.
4. In the **Commands** text box, begin typing the name of the command or command group you are searching for. As you type, the list box under the Commands text box displays word matches.

Viewing All of the Shortcut Keys for a Scheme

The Reference Card option in the Keyboard Shortcuts tab lets you view a complete list of all of the scheme's shortcut keys.

To View a List of Shortcut Keys

Use the following steps to view a list of shortcut keys for a scheme.

1. Click the **Options** button 

on the toolbar.
OR
Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Keyboard Shortcuts** tab.
3. Select the scheme that contains the shortcut keys you want to view from the **Scheme** drop-down list.
4. Optional. To sort the list view, click the heading you want to sort by (**Group**, **Command**, or **Shortcut**).
5. Click **Reference Card**.
The list displays in your default Web browser and is sorted by the same column you selected in step 3.
6. Optional. Print the list from your Web browser.

Tips for printing a reference card from your Web browser

- Use the Print Preview functionality in your Web browser to see if the list will display as you want it to. If you do not like the way the list looks in the preview (for example, the list prints without grid lines in the table or does not print in color), change the advanced print settings in your Web browser.
- If you want to remove the header and footer text from the printout, from the **File** menu, select **Page Setup**. Remove the text and the header and footer text boxes and then click **OK**.
- Changes made to the browser's advanced print settings and page setup affect the printing of all Web pages.

Viewing Map Data

Saving Data to Your Hard Drive

If you did not install the Street Atlas USA® map data to your computer's hard drive during installation, you can do so anytime. Saving data to your hard drive makes it readily available and improves performance.

To Save Street Atlas USA Data to Your Hard Drive

Use the following steps to save Street Atlas USA data to your hard drive.

1. Close all programs on your computer.
2. Use your computer's Control Panel to locate the program and click **Change**. The modify installation screen opens.
   OR
   Insert the Street Atlas USA DVD into your DVD-ROM drive. Browse to the DVD drive on your computer and view the contents. Double-click **setup.exe**. The modify installation screen opens.
3. Ensure **Modify** is selected and click **Next**.
4. Follow the on-screen instructions to complete installation.
5. When prompted, click **Finish.**

Connecting Data

Only connected, compatible data displays in Street Atlas USA®. You can improve performance by saving the data to your hard drive.

To Connect Data

Use the following steps to connect a dataset.

1. Click the **Map Files** tab.
2. ***Street Atlas Plus only:*** Click **Add** and then click **Data Locations**. The Data Locations dialog box opens and displays a list of the of the data sources on your system.
   Regular Street Atlas USA only: If you are using simplified file management, click **File** and then click **Data Locations**. The Data Locations dialog box opens and displays a list of each of the data sources on your system.
   OR
   If you are using advanced file management, click **Add** and then click **Data Locations**.
   Note See Activating Advanced/Simplified File Management on page 12 for more information.
3. If the dataset you want to view displays in the list, ensure its check box is selected.
   AND/OR
   If the dataset you want to view does not display in the list, click **Add**, select the data folder where the dataset is located from the **Browse for Folder** dialog box, and click **OK**.

4. Click **Done** when finished.

Note To remove a data source from the Data Locations list, select the data source and click **Remove**.

Showing Roads in Raster Data

Raster data, such as aerial and satellite data, is image-based and does not provide typical map information, such as street names, route numbers, and so on. Street Atlas USA® has a Show Roads feature that lets you overlay this type of map information onto raster data.

To Show Roads and Text Labels in Raster Data

Use the following steps to show road names, numbers, etc. on raster data.

1. Click the arrow next to the **Imagery** button on the toolbar. When **Show Roads** displays in the shortcut menu *with* a check mark next to it, roads display in the raster data. When **Show Roads** displays in the shortcut menu *without* a check mark next to it, roads do not display in the raster data.
2. Click **Show Roads** to toggle the option on/off.

Using Map Files

Map Files Overview

You can save all of the work that you have done as a single Map File so you can open it again later. You can create various map views and save each in a different Map File, if desired. In this way, you can save separate views of often-viewed areas at your preferred zoom level and other settings. Then, open them as you need them using the Map Files tab.

What is a Map File?

A Map File consists of the map center coordinates, the current data zoom level, the current magnification, rotation, preferences, and links to routes or draw layers you have added to it.

As you create routes and draw layers, they are added to the currently selected map file. Map files are saved by default in *C:\DeLorme Docs\Map Files.*

Each associated file is saved in its respective folder in the *C:\DeLorme Docs* directory. For example, a draw layer is saved in *C:\DeLorme Docs\Draw.*

Can I Reuse Draw Layers and Routes in Other Map Files?

After creating routes or adding your own roads, you may not want to do all of the work again in another map file. You can share routes and draw layers between map files using the Add button in the Map Files tab.

Can I Send Routes or Draw Layers to Another Street Atlas USA User?

You can package map files, including their routes and draw layers, into one transfer file. The transfer file facilitates e-mailing, copying map file information to other computers and copying map files between DeLorme programs.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Creating and Deleting Map Files

You can create various map views and save each in a different map file.

To Create a New Map File

Use the following steps to create a new Map File.

1. Click the **Map Files** tab.
2. Click **File** and then click **New**.
   OR
   Click the **New File** button .
3. Click the **Save** button on Map Files have .saf extensions and are saved by default in the *C:\DeLorme Docs\Map Files* directory.
   OR
   Click **File** and then click **Save As** to rename the map file.

Note You can also use the toolbar to create and save map files.

To Delete a Map File

Use the following steps to delete a map file.

1. Open a map file.
2. From the Map Files tab, click **File**, point to **Current View**, and click **File Info**.
3. Browse to the file location on your computer specified under Directory in the Map Files tab area.
4. Select the file.
5. From your computer's **File** menu, select **Delete**.
6. Click **Yes** at the Delete File confirmation message.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Opening an Existing Map File

You can create various map views and save each in a different map file. You can view your map files by opening them one at a time.

To Open a Map File

Use the following steps to open a map file.

1. Click the **Map Files** tab.
2. Click **File** and then click **Open**.
   OR
   Click the **Open** button on the tab.
3. Double-click the map file. The last saved map view for that map file displays.
   OR
   Click the map file to select it and then click **Open**. The last saved map view for that map file displays.

You can also:

- Open a map file by clicking the **Open** button on the toolbar.
- Open a map file by dragging and dropping it into Street Atlas USA from Windows® Explorer.
- View the most recently saved map files by clicking **File**, **Recent Files**, and then clicking the map file you want to open on the Map Files tab.
- Click the arrow next to the toolbar button to open a menu. Then, click **Open Map File** to open the Open File dialog box OR click a recently saved map file in the list.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Editing a Map File

As you create new routes and draw objects, they are added to the current map file. You can also pan and zoom the map as needed, and then save all these changes.

To Add/Delete Files Contained in a Map File

Use the following steps to add or delete specific files contained in a particular map file from the Map Files tab.

1. Open a map file.
2. Click **File**, click **Current View**, and then click **Contents** to view the contents of the map file.
   - To add a file, click **Add** and then click **Draw Files** or **Route Files**. Then select the file you want to add to the current map file.
     Note If a file is added to a map file and then changed later, the file is updated in every map file it has been added to.
   - To remove a route or draw file from a map file, select that file and then click **Remove**.
     Note This process does not delete the file; it just removes it from the current map file.
3. Click **File** and then click **Save**.
   OR

   Click the **Save** button . Map files have .saf extensions and are saved by default in the *C:\DeLorme Docs\Map Files* directory.

Note Under the tree menu, you can use the check box next to each draw or route file to display or hide it in the current map view.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Creating Transfer Files

A map file is made up of several different files; for example route, draw, and waypoint files. A map file and its contents can be packaged into a single file, called a transfer file, to facilitate e-mail or copying. Transfer files do not include map data.

To Create a Transfer File

Use the following steps to create a transfer file.

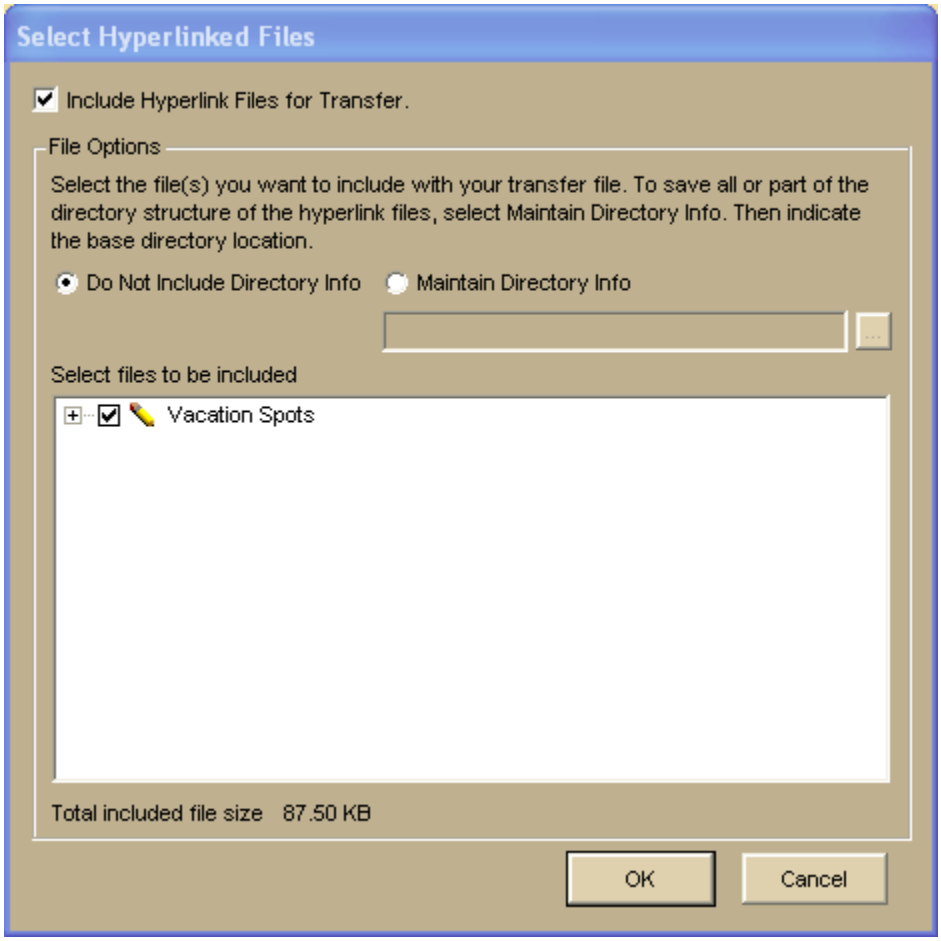
1. Click the **Map Files** tab.
2. Open the map file you want to create as a transfer file.
3. Click **File**, click **Transfer**, and then click **Create**.
   The Create Transfer File dialog box opens.
4. In the **File Name** text box, type the file name.
   Note Transfer files have .dmt extensions and are saved by default in the *C:\DeLorme Docs\Transfer Files* directory by default. Browse to another location if you want to save the file somewhere else.
5. Click **Create**. Your file is created and saved in the specified location.

To Maintain the Directory Structure When Creating a Transfer File with Hyperlinked Files

When you create a transfer file containing hyperlinked files, you can select to maintain part of the directory structure for files with at least a common drive location.

Use the following steps to create a transfer file with hyperlinked files.

1. Click the **Map Files** tab.
2. Open the map file you want to create as a transfer file.
3. Click **File**, click **Transfer**, and then click **Create**.
   The Select Hyperlinked Files dialog box opens.


Select Hyperlinked Files
Include Hyperlink Files for Transfer.
File Options
Select the file(s) you want to include with your transfer file. To save all or part of the directory structure of the hyperlink files, select Maintain Directory Info. Then indicate the base directory location.
Do Not Include Directory Info
Maintain Directory Info
Select files to be included
Vacation Spots
Total included file size 87.50 KB
OK
Cancel

4. Verify the **Include Hyperlink Files for Transfer** check box is selected.
   If you do not want to include hyperlink files in your transfer file, clear this check box and go to step 8.
5. Under **File Options**, select **Maintain Directory Info** to save the directory structure of the hyperlinked files.
   If you do not want to include the directory information for the hyperlinked files in the transfer file, select **Do Not Include Directory Info** and go to step 7.
6. Type the common base directory location of the hyperlinked files (up to the folder location that you want to maintain) in the text box.
   OR
   Click the **Browse** button and browse to the common base directory location.
7. Under **Select Files to Be Included**, clear the check box next to each file you do not want to include in your transfer file.
8. Click **OK**.
   The Create Transfer File dialog box opens.
9. In the **File Name** text box, type the file name.
   Transfer files have .dmt extensions and are saved by default in the *C:\DeLorme Docs\Transfer Files* directory. Browse to another location if you want to save the file somewhere else.

10. Click **Create**.
    Your file is created and saved in the specified location.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Importing Transfer Files

You can package a map file and its contents into a single file, called a transfer file, to facilitate e-mailing or copying. You can also import transfer files, allowing you to share your map files with other DeLorme users.

You can import a transfer file with or without attached hyperlink files. When you create a transfer file with hyperlinked files, you can choose to maintain the directory information of common files. By doing this, the recipient of the transfer file can keep a similar directory structure as the creator. This is helpful when a transfer file is shared and updated between users.

Note Transfer files do not include map data.

To Import a Transfer File

Use the following steps to import a transfer file, including transfer files that have been e-mailed to you by other DeLorme users.

1. Click the **Map Files** tab.
2. Click **File**, click **Transfer**, and then click **Import**.
   The Import Transfer File dialog box opens. The *C:\DeLorme Docs\Transfer Files* directory is the default location. Browse to another location if you want to save the file somewhere else. Transfer files have .dmt extensions.
3. Click a file to select it.
   The name displays in the File Name text box.
4. Click **Import** to finish the import process.
   The imported map file opens and displays in the map view.

To Import a Transfer File with Hyperlinked Files

Use the following steps to import a transfer file that includes hyperlinked file attachments.

1. Click the **Map Files** tab.
2. Click **File**, click **Transfer**, and then click **Import**.
   The Import Transfer File dialog box opens. The *C:\DeLorme Docs\Transfer Files* directory is the default location. Browse to another location if you want to save the file somewhere else. Transfer files have .dmt extensions.
3. Click a file to select it.
   The name displays in the File Name text box.
4. Click **Import**.
   The Browse for Folder dialog box opens.
5. Select the folder where you want to save the hyperlinked files.
   C:\DeLorme Docs\Transfer Files is the default location. Browse to another location if you want to save the file somewhere else.
6. Click **OK**.
   The imported map file opens and displays in the map view.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

E-mailing a Transfer File

You can package a map file and its contents into a single file, called a transfer file, to facilitate e-mailing or copying. **Note** Transfer files do not include map data.

To E-mail a Transfer File

This procedure creates an attachment file, but does not permanently save a file to *C:\DeLorme Docs\Transfer Files*.

Use the following steps to e-mail a transfer file.

1. Click the **Map Files** tab.
2. Open the map file you want to e-mail as a transfer file.
3. Click **File**, click **Transfer**, and then click **E-mail**.
   A transfer file is created and your computer's default operating system e-mail program opens with the transfer file included as an attachment.
4. Complete the e-mail in accordance with your e-mail system.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Printing

Printing a Map

You can print a map based on your paper size or screen size. If you choose to print a map based on your paper size, you can also print a multi-page map that you can assemble using the Manually Assembling a Multi-page Map instructions.

To Print a Map

Use the following steps to print a map.

1. Locate the area you want to print.
2. Click the **Print** tab.
3. Click the **Map** subtab.
4. Under **Print Layout**, select **Page** (the map print area is based on the paper size you have specified in the Setup options) or **Screen** (the map print area is based on the screen size).
   The print area for a Page map displays as a red box on the map, which may not always be visible. The overview map and the print area for a Screen map display as a blue box on the overview map.
5. If you selected **Screen** in step 4, go to step 6. If you selected **Page** in step 4, the following options are available.
   - Under **Print Layout**, select a layout option (Single, 2 x 2, or 3 x 3). The print area displays on both the map and the overview map.
   - If you selected 2 x 2 or 3 x 3 on the map layout graphic, and you do not want to print all the pages in the multipage map, click each page you do not want to print. The page appears dimmed or gray. (You can click a dimmed/gray page again to print it.)
     Note In the example below, page 4 will not print for the 2 x 2 map.

   - Verify this is the location and photo zoom you want to print.
     - If not, pan the map to a new location and zoom to the correct level.
       OR
     - ***Street Atlas USA® Plus only:*** To change the photo zoom, select an option from the **Photo Zoom** drop-down list or type the photo zoom in the text box.
       Note Changing the photo zoom enlarges or reduces the map features and changes the map print area. If you increase the photo zoom level, map text, lines, symbols, etc. display larger and your map print area is reduced. If you decrease the photo zoom level, map text, lines, symbols, etc. display smaller and your map print area is enlarged. The reduction/enlargement percentages for your photo zoom level display under the Photo Zoom drop-down list.
   - If you want to use other tabs and functions but not lose your current print area or other settings, select the **Lock Print Center** check box.

Selecting this check box locks the print area and changes the tab label to red.

- Select the **Print Preview** check box to zoom the map and view the entire print area. Clear the check box to return to your previous data zoom level.
- ***Street Atlas USA Plus only:*** Add text or graphics to your map
- ***Street Atlas USA only:*** To add a title to a single-page map, select the **Map Title** check box and click **Map Title** to assign the title's text, font, and alignment.

7. To change printers or make choices for transparent/yellow background, paper orientation, paper size, and paper source, click **Setup**. The Print Setup dialog opens.
   Note From the **Setup** dialog box, click **Properties** to view additional options. If the options are available, set the graphics mode to use raster graphics and set TrueType fonts to print as graphics. Consult your printer manual for additional information.
8. Click the **Print** button to print your map.

Tips

- To save a map to a file, see Saving a Map as a Bitmap or JPEG Image on page 20.
- To adjust the print area of a Page map, select the **Lock Print Center** check box, select the **Select** tool , and then drag the frame to the new position.

Printing a Route and Directions

You can print maps of your route and route directions for any route you create.

Additionally, you can save your directions or along the way results in a text file. For more information, see Saving Route Directions as Text on page 224.

For specific recommendations on best printing results, see your printer manual.

To Print a Route

Use the following steps to print an existing route.

1. Click the **Print** tab and then click the **Route** subtab.
   Note If you do not have a route on this map file, the route options are unavailable.
2. Optional. Click **Setup** to open the Print Setup dialog box and select a printer, change printer properties, select a transparent/yellow background, select paper size, and select paper orientation. Click **OK** when finished.
   If the options are available under **Printer Properties**, set the graphics mode to use raster graphics and set TrueType fonts to print as graphics.
3. Select the route you want to print from the **Name** drop-down list. Only routes contained in the current map file display in this list.
   Note for regularStreet Atlas USA® only - this does not apply to Street Atlas USA Plus: If you are using simplified file management, your only route print option displays in the Name text box.
4. Under **Options**, select from one of the following choices:

- **Overview**—Provides an optimized map of your route and the route summary — trip distance, trip time, start, total stops, and finish.
- **Travel Package**—Provides maps of the route with corresponding directions.
- **Turn Details**—Prints 2" x 2" maps of each of the turns in your route directions.
- **Directions**—Provides action-based directions (turn, merge, bear, depart, arrive, and continue) including the time frame for each action.
  Note You can save route directions as a text file.
- **Along the Way**—Prints the search results of a previous Advanced Find search within a current route. The search results are listed as they are listed in the Find results. The Along the Way option is only available if you have recently performed a find/category within current route search in the Advanced Find subtab. For more information, see Performing an Advanced Search on page 122.
- **Strip Maps**—Provides detailed maps in the direction of travel of the route along with directions that appear in the map margin. Strip maps are not printed North Up like other printed maps. They are printed so that the direction of travel is always at the top of the printed map.

5. If you selected Travel Package or Strip Maps in step 4, select the miles per page that you want your route to cover from the Miles Per Page drop-down list.
   Note When setting the number of miles per page, keep in mind that the number of miles is not the distance of the route. Instead, it equals the width of the strip map and determines the scale of the map.
6. Select **Increasing** from the **Trip Time/Distance** drop-down list to end the route directions with the total time and distance.
   OR
   Select **Decreasing** from the **Trip Time/Distance** drop-down list to start the directions with the total time and distance — similar to a countdown.
7. Optional. To view a preview of your selection, click **View**.
8. Click **Print**.

Adding Text or Graphics to Your Map

This Help topic describes functionality that is available only in Street Atlas USA® Plus.

You can add text (framed or unframed) and graphics (north arrows, scale bars, images) to your map.

- To modify the properties of a text/graphic item, click the **Select** tool and click the item on the map.
- To make graphic items added to your map the same size, press and hold the SHIFT key on your keyboard or drag to select two items, right-click, select **Make Same Size**, and select **Width**, **Height**, or **Both** from the shortcut menu.
- After you add text/graphic items to your map, you can align, snap, or layer them on the map.

To Add Text to Your Map

Use the following steps to add text to your map.

1. Click the **Print** tab and then click the **Map** subtab.
2. Select your **Map** and **Print Layout** options. For more information, see Printing a Map on page 109.
3. Under **Layout Tools**, click and hold the text and graphics button to reveal the hidden text and graphic tools.
4. Click the **Framed Text** tool .
   OR
   Click the **Unframed** Text tool .
5. Click the location on the map where you want to add your text. A text box displays.
   When not in editing mode, you can reposition your text by dragging the text box to the new position.
6. Type the text in the text box. To type more than one line of text, press SHIFT+ENTER on your keyboard to advance to another line. Press the ENTER key on your keyboard when finished typing your text.
7. Under **Layout Tools**, select the font, style, and size for your text from the drop-down lists.
8. To underline your text, click the **Underline** tool .
9. To change the color of your text, click the **Font Color** tool . From the **Color** dialog box, you can:
   - Click to select an alternative color. Click **OK** when finished.
   - Click **Define Custom Colors** and create a custom color by assigning red/green/blue or hue/sat/lum values. Click **Add to Custom Colors** and then click **OK**.
10. Click the **Align Left** button to align the text in your text box to the left.
    OR
    Click the **Center** button to align the text in the center of the text box.
    OR
    Click the **Align Right** button to align the text in your text box to the right.
11. Click the **Text Box** Size button if you want the size of your text box to grow with the amount of text typed.
    The Text Box Size button is a toggle button. If the button is not activated, any text placed on the map is placed in a default-sized text box. You can resize the default size text box by selecting the text box on the map and dragging any of the white boxes on the corners/sides of text box.

To Add a North Arrow to Your Map

Use the following steps to add a North arrow to your map.

1. Click the **Print** tab and then click the **Map** subtab.

2. Select your **Map** and **Print Layout** options. For more information, see Printing a Map on page 109.
3. Under **Layout Tools**, click and hold the text and graphics button to reveal the hidden text and graphic tools.
4. Click the **North Arrow** tool . All of the North Arrow styles display to the right.
5. Select the North Arrow style and then click the location on the map where you want to add the graphic.
   Once you place the North Arrow on the map, you can resize it by dragging any of the white boxes on the corners/sides of the graphic. Reposition the North Arrow at any time by dragging the graphic to the new position.

To Add a Scale Bar to Your Map

Use the following steps to add a scale bar to your map.

1. Click the **Print** tab and then click the **Map** subtab.
2. Select your **Map** and **Print Layout** options. For more information, see Printing a Map on page 109.
3. Under **Layout Tools**, click and hold the text and graphics button to reveal the hidden text and graphic tools.
4. Click the **Scale Bar** tool . All of the Scale Bar styles display to the right.
5. Select the check box to the left of the Scale Bar style options and then select the Scale Bar style.
   AND/OR
   Select the **Scale** check box to display the current scale on the map.
   AND/OR
   Select the **Scale Reference Length** check box to display the scale reference length on the map.
   AND/OR
   Select the **Zoom** check box to display the current data zoom level on the map.
6. Click the location on the map where you want to add the graphic.
   Once you place the Scale Bar on the map, you can resize it by dragging any of the white boxes on the corners/sides of the graphic.

To Add an Image to Your Map

Use the following steps to add an image to your map.

1. Click the **Print** tab and then click the **Map** subtab.
2. Select your **Map** and **Print Layout** options. For more information, see Printing a Map on page 109.
3. Under **Layout Tools**, click and hold the text and graphics button to reveal the hidden text and graphic tools.
4. Click the **Image** tool .
5. Click the location on the map where you want to add your image. The Select Image File dialog box opens.
   You can reposition the image at any time by dragging it to the new position.

6. Select an image file (.jpg, .bmp, or .gif) to place on your map and then click **Open**. The image displays on the map and the file name displays in the text box next to the Image tool under Layout Tools.

   You can update the image at any time by clicking the **Browse** button and browsing to an alternative image.
7. Select the **Maintain Aspect Ratio** check box to maintain the image's width-to-height ratio while resizing.
8. Select the **Preview Image** check box to preview the image on the map.

Aligning Text and Graphic Items on Your Map

This Help topic describes functionality that is available only in Street Atlas USA® Plus.

After you add a text or graphic tool to your map, you can use the right-click functionality to align each object with a certain location on the map.

Aligning Multiple Text and Graphic Items on Your Map

Use the following steps to align multiple text and graphic items on the map.

1. Click the **Print** tab and then click the **Map** subtab.
2. Place more than one text or graphic item on your map. For more information, see Adding Text or Graphics to Your Map on page 111.
3. While pressing the SHIFT key on your keyboard, click each text/graphic item on the map.
   OR
   Drag your mouse over the text/graphic items on the map to select multiple items at once.
4. Right-click one of the items and then select **Align** from the shortcut menu. Then, click:
   - **Left** to align the left sides of all of the items; placement is based on the left side of the left-most item.
   - **Right** to align the right sides of all of the items; placement is based on the right side of the right-most item.
   - **Top** to align the top side of all of the items; placement is based on the top side of the top-most item.
   - **Bottom** to align the bottom side of all of the items; placement is based on the bottom side of the bottom-most item.
   - **Vertical Center** to center the items based on the average of the vertical placement of the items.
   - **Horizontal Center** to center the items based on the average of the horizontal placement of the items.
   - **Center** to center the items based on the center of the average area that the items cover on the map.
   - **Stack Vertically** to stack the items vertically on top of each other.
   - **Stack Horizontally** to position the items side-by-side.

Tips

- To make multiple graphic items the same size, press the SHIFT key on your keyboard and select each item. Then, right-click, select **Make Same Size**, and select **Width**, **Height**, or **Both** from the shortcut menu. When you attempt to make multiple items the same size, the largest item is always the basis for the size change. *Important: For an item to be made the same size as another item, the item must not be locked — for example, the Maintain Aspect Ratio check box should be cleared for any images, only text items with default size text boxes can be resized, and so on.*
- To delete multiple text or graphic items, click the **Edit** tool, drag the mouse on the map to encompass the items you want to delete, and then press the DELETE key on your keyboard.

Snapping Text and Graphic Items on Your Map

This Help topic describes functionality that is available only in Street Atlas USA® Plus.

After you add a text or graphic tool to your map, you can snap each item to the location you want it by dragging the item along the edges of the map or by dragging the item to snap it to the horizontal center of the page.

To disable the auto-snap function, hold down the ALT key on your keyboard while dragging the text/graphic items on the map.

To Snap Text and Graphic Items on Your Map

Use the following steps to snap text and graphic items on a printed map.

1. Add text or graphics to your map.
2. Drag the text/graphic item(s) you placed on the map to the location you want them on the map. If you drag the item(s) to the edge of the map print area, the text/graphics snap to the edge. If you drag the item(s) to the horizontal center of the edge of the map print area, the text/graphics snap to the center of the edge. You can also drag the item(s) to the center of the map print area to snap them at the center of the printed map.

Tips

- To make multiple text and graphic items the same size, press the SHIFT key on your keyboard and select each item. Then, right-click, select **Make Same Size**, and select **Width**, **Height**, or **Both** from the shortcut menu. When you attempt to make multiple items the same size, the largest item is always the basis for the size change.
- To delete multiple text/graphic items, select the **Edit** tool, drag the mouse in a down-right direction on the map to encompass the items you want to delete, and then press the DELETE key on your keyboard.

Layering Multiple Text and Graphic Items on a Printed Map

This Help topic describes functionality that is available only in Street Atlas USA® Plus.

You may want to layer text or graphic items on your printed map. In this case, use the right-click Bring to Front/Send to Back options so that each can still be displayed.

To Layer Multiple Text or Graphic Items on a Printed Map

Use the following steps to layer multiple text or graphic items on the map.

1. Click the **Print** tab and then click the **Map** subtab.
2. Place more than one text or graphic item on your map (see Adding Text or Graphics to Your Map on page 111), placing the text/graphic items on top of each other.
3. If one of the text/graphic items you want to display is partially underneath another text/graphic item, select the item you want to display, right-click, and select **Bring to Front**.
   To reverse this step, right-click the item and select **Send to Back.**

Tips

- To make multiple text and graphic items the same size, press the SHIFT key on your keyboard and select each item. Then, right-click, select **Make Same Size**, and select **Width**, **Height**, or **Both** from the shortcut menu. When you attempt to make multiple items the same size, the largest item is always the basis for the size change.
- To delete multiple text/graphic items, select the **Edit** tool, drag the mouse in a down-right direction on the map to encompass the items you want to delete, and then press the DELETE key on your keyboard.

Changing the Background Color of a Printed Map

When you print a map, a yellow (or black if you are using High Contrast Colors) background automatically displays on the printout. If you want a transparent background — for example, if you are printing transparencies — you can change the Print settings to print with a transparent background.

To Print Maps With a Transparent Background

Use the following steps to turn off the yellow background when printing a map.

1. Center the map on the area you want to print.
2. Click the **Print** tab and then click the **Map** subtab.
3. Select the **Print Layout** options. For more information, see Printing a Map on page 109.
4. Click **Setup**.
   The Print Setup dialog box opens.
5. At the bottom of the dialog box, select the **Print Maps with a Transparent Background** check box.

6. Click **OK**.
   All map printouts print with a transparent background.

To Print Maps With a Yellow/Black Background

Use the following steps to turn on the yellow/black background when printing a map.

1. Center the map on the area you want to print.
2. Click the **Print** tab and then click the **Map** subtab.
3. Select the **Print Layout** options. For more information, see Printing a Map on page 109.
4. Click **Setup**.
   The Print Setup dialog box opens.
5. At the bottom of the dialog box, clear the **Print Maps with a Transparent Background** check box.
6. Click **OK**.
   All map printouts print with a yellow background (or black if you are using High Contrast Colors).

Manually Assembling a Multi-page Map

After you have printed the sheets for your multi-page map, you are ready to assemble the map.

Before you begin, be sure you have a clear work surface large enough to accommodate the final map size.

You will need the following tools to assemble your map:

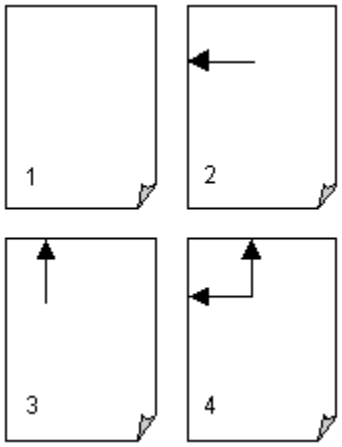
- Pencil
- Razor knife
- Straight-edge ruler (longer than the edge of the longest sheet)
- Permanent tape ("invisible" or "magic" type)
- Removable tape

To Manually Assemble a Multi-page Map

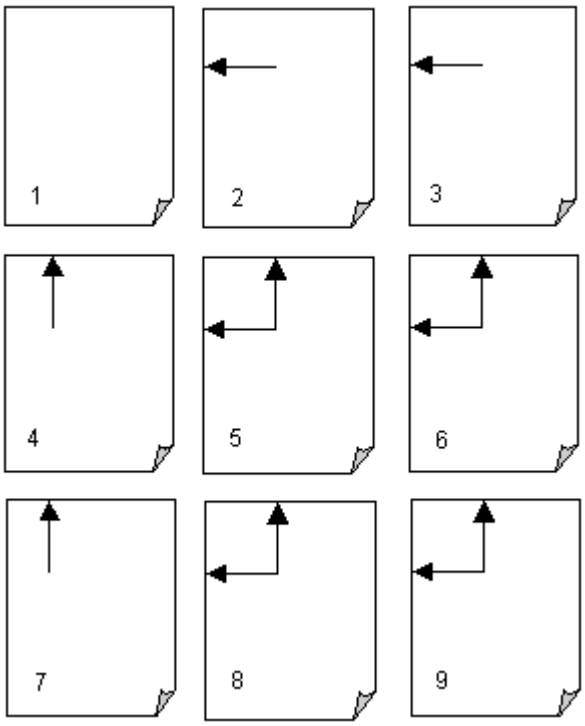
Use the following steps to manually assemble a multi-page map.

1. For each sheet that needs to be trimmed, mark the edges of the sheet to indicate the areas to trim.
2. Use the straight edge ruler and razor knife to trim each sheet to the thin black line bordering the map.
   Note For adjacent sheets, trim only one page. This makes piecing the sheets together easier.
   The following diagrams of a 2 x 2 and 3 x 3 multi-page map provide additional information on where to trim the sheets. The arrows indicate the edges to be trimmed.

2 x 2 multi-page Map



3 x 3 multi-page Map

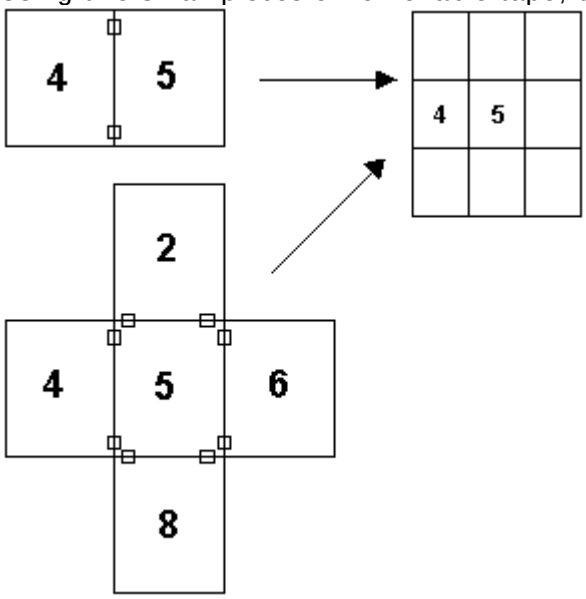


3. Align two adjacent sheets, placing the trimmed edge on top of the non-trimmed edge.

   Notes

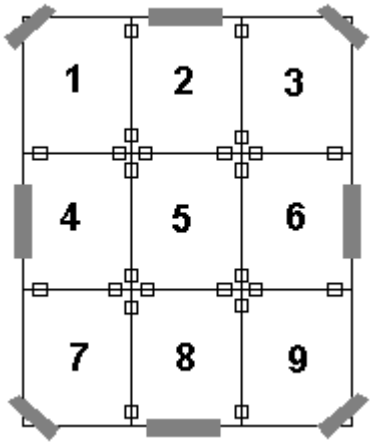
   - Piece together the multi-page map one seam at a time. This is especially important for a 3 x 3 multi-page map.
   - Build the multi-page map from the inside out to minimize any misalignment.

4. Using two small pieces of removable tape, tack together the aligned sheets.



Note This is a temporary measure. Steps 6 through 10 describe how to completely secure the sheets.

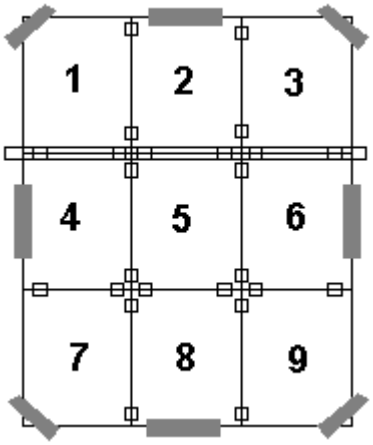
5. Repeat steps 3 and 4 until all the sheets are pieced together.
6. With the multi-page temporarily pieced together, use small pieces of removable tape to secure the corners and edges of the multi-page map.



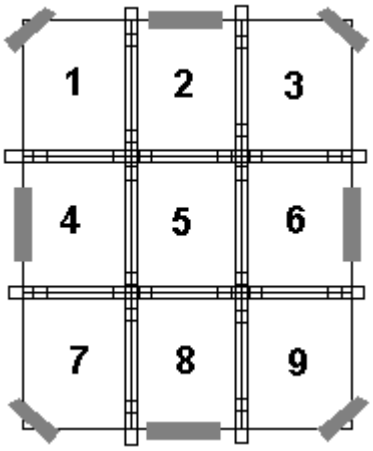
Note Place the removable tape on the corners and edges, not along the seams.

7. For each seam, fix the tape to the work surface, not on the sheet, so the tape is in alignment with the seam.
8. Spool off enough permanent tape to cover the entire seam. Be careful not to let the tape touch the map until you are ready to apply it (in step 9).

9. Keeping the length of the tape taut, carefully apply the tape to the seam until both sides are fixed to the work surface.



10. Press the tape along the seam to remove any air gaps.
11. Repeat steps 6 through 10 until all seams are completely pieced together.



12. Using the straight-edge ruler, carefully trim the edges of the map at the seams (where the tape is affixed to the workspace).
13. Peel off the removable tape at the corners and the edges. You are now ready to display your multi-page map.

Finding a Location on the Map

Find Overview

There are four Find options you can use to search for and locate places and other map items.

- **QuickSearch**—Search for places, addresses, cities/towns, ZIP/Postal Codes, and coordinate positions. If the item you are looking for is not recognized, the Advanced tab displays automatically.
- **POIs**—Search for specific points of interest, such as hotels, restaurants, hospitals, department stores, etc. Search a specified distance from the current map center or along an active route.
- **GPS Radar**—Search for points of interest (within a designated distance from your current location) while tracking a route with a GPS receiver.
- **Advanced**—Control *what* you are looking for with the Find field, and *where* you are looking for it with the Within field while you conduct a more detailed search.

Performing a Basic Search

Use the QuickSearch tab to locate places, addresses, ZIP/Postal Codes, coordinate positions, and more.

To search for other items, such as an area codes, street intersections,

or a category (such as Park, Interstate, and so on), use the Advanced subtab.

To Perform a Basic Search

Follow the steps below to use the QuickSearch tab.

1. Click the **Find** tab and then click the **QuickSearch** subtab.
   OR
   Press CTRL+F on your keyboard.
2. Type a name, address, ZIP/Postal Code, town name, coordinate, draw object label, address book contact name, street intersection, etc. in the **Search For** text box. See Searching Tips on page 24 for a description of input formats.
   OR
   Select **From Address Book** from the **Search For** drop-down list to find an address book entry in your DeLorme Address Book and then click **OK.**
   Notes
   - The Book check box (under the Address Book buttons) must be selected to search for address book contacts. For more information, see Searching for Address Book Contacts on page 135.
   - Do not enter more than five digits for a ZIP Code search or six characters for a Postal Code search (you do not need to include spaces in a Postal Code).
   - Address searches should be in the following formats: street address, city, state **OR** street address, ZIP/Postal Code **OR** street address, city, state, Zip/Postal Code.
3. Click **Search**. If your search is:
   - **Very Successful**—The results list displays and, if there is one excellent match, the map centers on that place. A MapTag displays if

the MapTags check box is selected. The only time a MapTag is not placed is when you find and then go to a labeled area that has no single map point associated with it (for example, a large park).

- **Successful**—The results list displays. Scroll or browse through the list of search results until you find the one you want to locate. To center an item on the map, double-click it or select it and then click **Go To**. A MapTag displays if the MapTags check box is selected.
  Tip Single click an item in the results list to highlight it on the map without adding a MapTag or centering it in the map view. For more information on viewing results, see Tips on Viewing Search Results on page 129.
- **Not Successful**—The Advanced dialog area displays. The program makes its best guess about the type of search you were trying and your search word(s) display in the upper-right text box. Click **Search** to proceed. For more information, see Performing an Advanced Search.

Notes

- Use a comma to separate city and state/country (Atlanta, Georgia; Montreal, Canada), major point of interest and state (Mt Washington, NH), parts of an address (444 E Pk Drive, Milford, CT or 444 E Pk Dr, 06460), or coordinate points (N 43.8, W 70.2).
  Tip You can find major landmarks or points of interest, such as Yellowstone National Park and Mount Rushmore, without using the state as part of the search criteria.
- Separate street intersections with an ampersand (Congress St & High St, Portland, ME or Congress St & High St, 04101).
- Avoid entering a period in your text.
- Click the **Search For** down arrow to view a drop-down list of previously used search words and examples.
- The **Search For** drop-down list keeps a history of your successful search words during a session and between sessions. To delete your search history, select **Clear History** from the drop-down list. Click **No** to delete the search history in the QuickSearch drop-down list. Click **Yes** to delete the search history in both the QuickSearch and Advanced subtabs.
- Use the right-click feature to copy search result information to the clipboard; center a search result on the map (go to); select all search results; add a result as a MapTag, MapNote, Detailed MapNote, Waypoint, or Address Book Entry; or assign it a start, stop, or finish in a route. Just right-click a search result and select the applicable option from the shortcut menu.

Performing an Advanced Search

The Advanced search option allows you to perform more detailed searches by controlling *what* you are looking for using the Find field and *where* you are looking for it using the Within field.

- The fields available for selection under Within vary based on your Find selection.
- Type text in the fields and use the drop-down list to see examples and your recent searches.

- The fill-in fields located in the center of the tab vary based on both your Find and Within selections.

You can also search for more types of items than you can in the QuickSearch tab, such as by category, street intersection, and more.

To Perform an Advanced Search

Follow the steps below to use the advanced search function.

1. Click the **Find** tab and then click the **Advanced** subtab.
   Note This screen automatically displays if you performed an unsuccessful QuickSearch.
2. From the **Find** drop-down list, select the Find type from the list.
   When more than one match is available, the closest match displays first in the Results list.
   Click a Find type in the list below for more information.
   - Name

     Use Name to locate a city, town, landmark, object label, and so on.
   - Street Address

     Use Street Address to locate by street number and name, highway number, and so on.

     You can use standard abbreviations like Rd (Road), St (Street or Saint), Mt (Mount), Dr (Drive), and Ct (Court).
   - Street Intersection

     Use this search to locate the intersection of two specified roads.
   - ZIP/Postal Code(s)

     Use at least a partial ZIP/Postal Code to locate the covered regions. The results display in a browse list.

     Use at least a partial ZIP/Postal Code to locate the covered regions. The results are displayed in a browse list. This means you are taken into the ZIP/Postal Code database at the closest matching, valid ZIP/Postal Code. You can browse through results in either direction to the first or last item in the database.

     Use at least a partial ZIP Code to locate the covered regions. The results are displayed in a browse list.
   - Name and/or Category

     Searches for a specific name in a specific category. For example, if you want to find a particular restaurant in your town, you would type restaurant in the Keywords text box, type the name of the restaurant in the Name text box, and then type your location information in the available text boxes.

     For more information on category searches, see Keywords for Category Searches on page 130.

     Note Category keywords must be at least three characters in length.
   - Category

     Searches for a category of items within the specified area. For more information on category searches, see Keywords for Category Searches on page 130.

     Notes

- In all category searches, the Keywords field is optional. If the Keywords field is left blank, all objects in the selected Within area display in the Results list.
- Category keywords must be at least three characters in length.

- Area Code and Exchange

  There are no Within options for Area Code and Exchange search. Use at least a partial Area Code and Exchange to locate the covered regions. This is not an individual phone search. The results display in a browse list.
- Latitude/Longitude

  A single result is returned using a latitude/longitude coordinate search. There are no Within options. Coordinates must be in one of the many formats recognized by the program and are based on your Display settings in the Options dialog box.

3. From the **Within** drop-down list, select an option. Available choices are based on what you selected as your Find type.
   Click a Within type in the following list for more information.
   - North America

     Searches for a name in North America.
   - US/Canada

     Searches for ZIP/Postal Code within the United States and Canada. Available only when ZIP/Postal Code(s) is selected as the Find parameter.
   - City or County

     Searches for the specified name within the ZIP/Postal Codes associated with the city/county and state/province specified in the text boxes.
   - ZIP/Postal Code

     Searches for the specified name within a ZIP/Postal Code. Displays a ZIP/Postal Code text field. A U.S. search for a ZIP+4 Code is treated the same as a five-digit ZIP Code. A Canadian search for a 3-character Postal Code is treated the same as a six-character Postal Code.

     Searches for the specified name within a ZIP/Postal Code. Displays a ZIP/Postal Code text field. A U.S. search for a ZIP+4 Code is treated the same as a five-digit ZIP Code. A Canadian search for a 3-character Postal Code is treated the same as a six-character Postal Code.

     Searches for the specified name within a ZIP Code. Displays a ZIP Code text field. A search for a ZIP+4 Code is treated the same as a five-digit ZIP Code.
   - U.S. State

     Searches for a name within a specific U.S. state. This option is available only when Category or Name and/or Category is selected as the Find parameter.

     Note If you are searching within a larger state, this type of search may take longer than others because a lot of data is being searched to obtain a result.

- Current Map City

  Searches for the specified name within the boundaries of all ZIP/Postal Codes associated with the city at the current map center.
- Current Map Rectangle

  Searches for the specified location within the currently visible map area.
- Distance from Map Center

  Performs a search in all directions from the center of the map using the specified distance. Also called a radius search. The minimum distance you can use is 50 feet; the maximum distance is 100 miles.
- Current Route

  Searches for objects within the specified distance from your currently active, calculated route. The minimum distance you can use is 500 feet; the maximum distance is 10 miles. Results are listed in the sequence they occur along the route, from start point to finish point.

  Note This search may take longer than other types of searches.

4. Type information in the text boxes to the right of the **Find** and **Within** fields. The text boxes available are based on the selected Find and Within fields.
   Tip A few text boxes are optional and you may get more results by leaving them blank. To see if a text box is optional, hold your cursor over the text box label or down arrow and read the ToolTip for that text box.
5. Click **Search** or press the ENTER key on your keyboard.
   The Results list displays your search results with closest matching items at the top of the list.
6. Scroll or browse through the list of search results until you find the one you want to locate. To center an item on the map, select it and then click **Go To** or double-click it.
   A yellow MapTag displays at the location if the MapTags check box is selected.

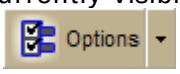
Tips

- Single click an item in the results list if you want to highlight it on the map without adding a MapTag or centering it in the map view. For more information on viewing results, see Tips on Viewing Search Results on page 129.
- Use the right-click feature to copy search result information to the clipboard; center a search result on the map (go to); select all search results; add a result as a MapTag, MapNote, Detailed MapNote, Waypoint, or Address Book entry; or assign it a start, stop, or finish in a route. Just right-click a search result and select the applicable option from the shortcut menu.

Note The program keeps a history of your search words during a session. If you want to delete your Advanced search history, click the **QuickSearch** subtab and select **Clear History** from the **Search For** drop-down list. Then, click **Yes** to delete the search history in both the QuickSearch and Advanced subtabs.

Performing a POI Search

The POIs subtab gives you an easy way to find the places of interest you are looking for. You can search over four million places of interest including Wal-Mart stores, post offices, hospitals, and much more.

- Some POIs contain extended information, such as website links, hours of operation, and so on. To view this extended information, right-click the POI search result, point to **Add**, and then click **Detailed MapNote** to view the information on the map. Or, right-click the POI search result and click **Info** to view the extended information in the Info tab.
- POI searches will find more objects than may be currently visible on the map. To see all POIs on the map, click the **Options** button 

on the toolbar (or click the menu arrow and click **Options**), click the **Map Features** tab, select the **Points of Interest (Minor)** and the **Business Points of Interest (Minor)** check boxes, and click **OK**.

To Find a Point of Interest

Use the following steps to find a point of interest with the POIs subtab.

1. Click the **Find** tab.
2. Click the **POIs** subtab.
3. Type the name of the point of interest you are searching for (for example, Wal-Mart or Sheraton) in the **Name** text box.
4. Type the category that best fits your POI name (for example, type **Hotel** if you are searching for a Sheraton, type **Department Store** if you are searching for Wal-Mart) in the **Keywords** text box. See Keywords for Category Searches on page 130 for more information.
   OR
   Select an appropriate keyword from the **Keywords** drop-down list examples and history.
5. Type the distance you want to search in the **Distance** text box. Type the number of miles followed by "mi" — for example, 5 mi.
6. Select **From Map Center** or **Along Current Route**.
7. Click **Search**. If your search is:
   - **Very Successful**—The results list displays and, if there is one excellent match, the map centers on that place and a yellow box displays at the location of the POI match.
   - **Successful**—The results list displays. Scroll or browse through the list of search results until you find the one you want to locate. To center an item on the map, double-click it or select it and then click **Go To**.

Tips

- Single click an item in the results list to highlight it on the map without adding a MapTag or centering it in the map view. For more information on viewing results, see Tips on Viewing Search Results on page 129.
- Use the right-click feature to copy search result information to the clipboard; center a search result on the map (go to); select all search results; add a result as a MapTag, MapNote, Detailed MapNote, Waypoint, or Address Book entry; or assign it a start, stop, or finish in a route. Just right-click a search result and click the option you want.

Finding POIs Near Your Current Location

Use the GPS Radar subtab on the Find tab to search for points of interest (POIs) such as gas stations, restaurants, accommodations, rest areas, and so on near your current location (if tracking with a GPS) or near the center of the map. You can even hear the nearest search result by enabling the speech button. Once you find the point of interest you want, you can use the GPS Radar subtab to recenter the map on the route to that point of interest and get directions to that POI.

Notes

- In GPS NavMode, GPS Radar results display in an orange bar at the bottom of the map area. **Important** To enable GPS Radar in NavMode, you must select the **Repeat Search Every** check box and enter the number of minutes for repeating the search.
- A GPS Radar search finds items that are the shortest driving distance from your current location — within just a few miles. Unless you select the **Only in Direction of Travel** check box, some of the search results may be behind you. GPS radar calculates a route to each POI, and the fastest destination for you to drive to is listed first. If you are on a one-way road or freeway, GPS Radar takes into account the fact that you need to drive further to get off at an exit. You can click each item in the result list to see each option, to highlight the route to each destination, and to see a description of each one as well as driving directions. This should help you choose the best one for your needs.
- The time required for a GPS Radar search varies by the distance, density of objects in the area, the categories chosen, and whether you are searching only in the direction of travel.
  - If you are using GPS NavMode, a long search will automatically be interrupted; click the **More Info** button on the orange status bar to open the GPS Radar subtab and adjust your settings for a shorter search.
  - If you are using GPS tab view, click the **Interrupt** button to interrupt a long search and see a listing of the nearby POIs. Driving directions will not be provided.

To Find POIs Near Your Location

Use the following steps to find POIs near your location.

1. Click the **Find** tab.
2. If you are not tracking with a GPS, type a specified location in the **Search For** text box and click **Search**.
3. Click the **GPS Radar** subtab.
4. Under **Search For**, select the point of interest you want to locate within the specified area.
   Note If you select Custom, you will be asked to enter keywords for the category you are searching for. You can perform a specific keyword search, such as bowling or hospital, or a broad keyword search, such as business, school, religious institution, government facility, military base, airport, park, exit, and rest area.
5. Select the **Only in Direction of Travel** check box if you do not want GPS Radar to search for points of interest that are outside of your direction of travel; for example, points of interest that are behind you.

6. Enable the **Speech** button by clicking it if you want to hear the nearest search result in the computer's voice.
7. If you want to automatically repeat your search after a designated amount of time, select the **Repeat Search Every** check box and then select the number of minutes for automatically repeating the search. This is required if you are using GPS NavMode.
   Note Searches are not repeated when the GPS position is stationary.
8. Select a distance in miles from the **Search Area** scroll list to limit your search to a certain driving distance from your current location.
9. Click **Search**.
   The search results display in the list box to the right of the Search button.
10. Click a search result to select it.
    A green, highlighted line displays on the map between your current/specified location and the point of interest's location.
    Note Click **Recenter** to center the map on the selected POI route. Click **Insert Stop** to insert the selected search result into your current route.
11. Select the **Info** option to view the point of interest's name, category, phone number, and distance from the current location.
    OR
    Select the **Directions** option to view directions to the selected point of interest from your current/specified location.

Finding a Symbol by its Name

Within the Draw tab, you can attach a name to any symbol you add to your map. For more information on adding symbols to the map, see Adding a Waypoint, Symbol, MapNote, or Text Label to the Map.

You can use a name to help locate a symbol you have already placed on a map using the QuickSearch feature on the Find tab. For example, if you named a symbol "My House" when you placed it on the map, use the following steps for conducting a search on the unique symbol name.

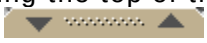
To Find a Symbol by its Name

Use the following steps to find a symbol by its name.

1. Click the **Find** tab.
2. Using **QuickSearch**, type the symbol name followed by the town and state abbreviation (for example, **My Office, Yarmouth, ME**) in the **Search For** text box.
3. Click **Search**. The closet matches display in the list view to the right of the Search For text box. The symbol name displays in the Name column.
4. Double-click the item or select the item and click **Go To** to locate your selection on the map. The map view centers on the item. A MapTag displays the symbol name at the symbol location.
   Note To display MapTags, select the **MapTags** check box on the Find tab.

Tips on Viewing Search Results

These tips can help you view Find tab search results.

- To make it easier to view a long list of search results, increase the height of the tab by dragging the top of the tab area up or by clicking the increase (up) tab height arrow  at the top of the tab.
- To sort results by another column, click the column header. An arrow identifies the sort column. Click a second time to reverse the sort order.
  Note This feature is not available when in browse mode; see last item in this list.
- To copy the information for the selected item or items, press CTRL+C on your keyboard. You can then paste the text into another program, such as a word processing program.
- Right-click an item in the results list. A shortcut menu displays the following items:
  - **Copy to Clipboard**—Copies the detailed information for the selected item or items and is available for pasting into another program.
  - **Go To**—Centers the map on the selected item.
  - **Select All**—Selects all items in the list and highlights up to 350 on the map. If you right-click again with all items selected, you can select **Copy to Clipboard**; point to **Add** and then click **MapTag**, **MapNote**, **Detailed MapNote**, **Address Book Entry**, or **Waypoint**; or point to **Route** and click **Insert Stop**. You must have the MapTags checkbox on the Find tab selected to add a MapTag.
  - **Add**—Adds a MapTag, MapNote, Detailed MapNote, Address Book Entry, or Waypoint for the selected item or items. You must have the MapTags checkbox on the Find tab selected to add a MapTag.
  - **Route—**Places a start, stop, or finish point at that location on the map based on your selection. The location is listed in the Start text box, Stop text box, or Finish text box in the Route tab.
- To locate an item on the map without moving the map, single click an item in the results list. It is highlighted on the map as long as it is in the current map view. This is especially helpful when you are at the data zoom level you want but point labels are not displaying.
  Notes To select multiple items, press and hold the CTRL key while clicking up to 350 items in the results list. If the items are listed continuously, click the first item in the list and then press and hold the SHIFT key while clicking the last item you want.
- You can adjust column widths. The new size is retained until changed again. You cannot rearrange the column order. Different search types result in different column orders.

- There are two types of results lists:
  - Most searches provide a fixed number of results. If all of the results do not fit in the screen area, a scroll bar automatically displays.
  - Name in ZIP/Postal Code searches, Name in U.S. or Canada searches, and Area Code/Exchange searches provide results you can browse. This means the entire database displays with the best match highlighted. It is possible to continue browsing to the first or last item in the database.

Scroll Bar

Browse Buttons

Keywords for Category Searches

Your DeLorme application recognizes hundreds of English words to generate both general and specific searches using category keywords. Try entering words that seem appropriate.

Keyword Samples

The list below shows a few of the categories and sample keywords. Sample keywords may be listed in more than one category.

Boundaries, Map, and Surveying
Border
Boundary
Contour
Crosshair
Grid
Line
Point
ZIP/Postal Code
Buildings and Structures
Airport
Bridge
Business
Landmark
Library
Businesses
Hotel
Gasoline
Restaurant
Pizza
Education and Cultural
College
Local Park

Park
School
State Park
University
Miscellaneous
Cemetery
Hiking
Mine
Note
Park
Object Types
All of the stock draw symbols (such as blue map pin, red flag, canoe, etc.)
Draw symbols
Objects in non-DeLorme data
Roads and Trails
Bridge
Exit
Ferry
Foot Trail
Highway
Hiking
Interstate
One Way
Railroad
Road
Street
Trail
Tunnel
Travel Amenities
Airport
Exit
Landmark
Rest Area

Notes on Category Searches

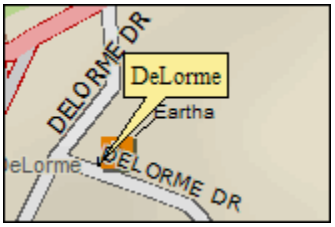
The following list provides notes you may find helpful for performing category searches.

- Category keyword searches must be at least three characters in length.
- Keywords are not case-sensitive. Using all capital letters or no capital letters does not affect the search.
- Some generic keywords (water, for example) match many categories and display a dialog box with specific categories. Select or clear these categories, depending on what you want to locate.

- In the Keyword Category samples below, some keywords are used together to narrow the search. The following two examples provide information on how results may differ using words together and separately:
  - Example 1—Using **Local Road** provides many category results, such as Ferry Crossing **Local Road**, **Local** or Rural **Road**, and Rail**road Local** Line.
  - Example 2—Using **Road** provides over 100 results from more categories.
- Partial words are recognized when performing a search.
- You can use keywords in any order. You get the same results using **Local Road** as for **Road Local**.
- A keyword may find categories related to the word rather than including the word.
- Use the word "or" in the Keywords text box to search for multiple categories. For example, "pizza" or "fast food."

MapTags: Converting, Moving, Hiding, and Deleting

When you search for and go to a Find search result, a yellow MapTag displays at that location if the MapTags check box on the Find tab is selected. If MapTags are cluttering your view of the map, you can move the text area of the MapTag, hide them from view, or delete one, several, or all MapTags.



To Convert MapTags to MapNotes

To change all of the MapTags on the map to MapNotes, which can be retained when you save the map file, right-click the map, click **Manage Draw**, and then click **Convert All MapTags to MapNotes**. A new draw layer called MapNotes is created in your map file.

To Move a MapTag

You cannot detach a MapTag from its anchor point; you can move only the text area.

Use the following steps to move the MapTag text area.

1. Use the **Find** tab, search for a place, street address, coordinate, category item, or street intersection. MapTags are placed on the map at each point you locate.
2. Click the **Select** tool .
3. Click the text area for the MapTag you want to move and drag it to the position on the map where you want it. The anchor point does not move.
4. Click the **Select** tool again to resume normal map operations.

To Hide MapTags

The MapTags check box controls if existing MapTags display on the map.

- MapTags are visible when the MapTags check box is selected.

- MapTags are hidden from view when the MapTags check box is cleared. Select the MapTags check box at any time to display existing MapTags.

To Delete MapTags

You can delete one, several, or all MapTags.

To delete MapTags from the Find tab:

- To delete one MapTag, click the **Select** tool , click the MapTag, click the **Delete Tag** tool , and click the **Select** tool again.
  OR
  Right-click the MapTag you want to delete and select **Delete MapTag**.
- To delete several MapTags, click the **Select** tool , hold down the SHIFT key on your keyboard while clicking the MapTags, click the **Delete Tag** tool, and click the **Select** tool again.
- To delete all MapTags, click the **Delete Tag** tool . A message box displays "Delete all MapTags?" Click **OK** to confirm deletion. Click **Cancel** to retain all MapTags.

To delete MapTags from other tabs:

- Right-click the MapTag and select **Delete MapTag**.

Using Address Book Contacts

Searching for Address Book Contacts

You have several ways to search for address book contacts:

- Use the QuickSearch function on the Find tab to search for the name of a contact; browse for the contact or type the name of the contact
- Use the Route tab to search for an address book entry as a route start, stop, or finish; browse for the contact or type the name of the contact
- Use the toolbar to search for an address book entry as a route start or finish; browse for the contact or type the name of the contact

With these functions, you can select the **<From Address Book>** option from the applicable drop-down list or you can type the name of the contact directly in the text box to find the entry. If you type the name of the contact, you must select the **Book** check box in the Find tab (underneath the Address Book buttons). To disable the address book search functionality, clear the **Book** check box.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Importing Existing Address Book Information

You can import an existing address book or build a new address book by manually entering each record. Imported address book items are merged with your existing address book. Items with identical names are not replaced during the import process.

To Import an Existing Address Book

Use the following steps to import an existing address book and view its contents on the map.

1. Click the **Find** tab.
2. Click the **Address Book** button .
   The DeLorme Address Book dialog box opens.
3. Click **Import**.
4. Click **Browse** to find the .dab, .txt, .csv, or .tab address book file. Click the file and then click **Open**.
5. If the first line of the title contains column names, select the **First Row is Header** check box.
6. If you want to adjust the column headers for your address book information, select a default column label from the available drop-down lists.
   There is a list for Name, Street Address, City, State Abbreviation, ZIP/Postal Code, Telephone, Latitude, Longitude. The information in your address book displays to the right of these lists.

7. Click **OK**.
   The address book contacts are imported into the program. All street address or latitude/longitude matches display on the map with the following symbol and the name of the contact.
   Note If your contacts do not display on the map, check the Located? column in the Address Book dialog box to verify a successful match was made. If Not Located displays next to any of your records, either address/coordinate information was not provided with the contact or the address/coordinate information could not be found in the program.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Manually Entering Address Book Information

You can import an existing address book or build a new address book by manually entering each record.

You can also add an address book entry by right-clicking the map, selecting **Create Address Book Entry**, and following steps 4–6 below. If you right-click the map at the location for the address book entry, some of the information, such as coordinates, street name, city, state, etc., automatically complete the Edit a DeLorme Address Book Entry dialog box.

To Manually Enter Address Book Information

Use the following steps to manually enter address book information.

1. Click the **Find** tab.
2. Click the **Address Book** button .
   The DeLorme Address Book dialog box opens.
3. Click **New**.
4. Type/select the contact's **Name**, **Street Address**, **City**, **State Abbreviation**, ZIP/Postal Code, Country Code, Telephone, Latitude (if available), and Longitude (if available).
5. Select how you want the contact to be placed on the map from the **Update Location** drop-down list.
6. Click **OK**.
7. Repeat steps 2–6 for each contact you want to add.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Centering the Map on an Address Book Contact

You can center the map on any address book contact you have with the Go To function in the Address Book dialog box.

To Center the Map on an Address Book Contact

Use the following steps to center the map on an address book contact.

1. Click the **Find** tab.
2. Click the **Address Book** button .
   The DeLorme Address Book dialog box opens.
3. Click the contact.
4. Click **Go To**.
   The map centers on the selected contact.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Editing a Contact In Your Address Book

Once you have imported your address book contacts, you may need to edit the information if your contacts have moved, changed phone numbers, etc. Instead of importing the information again, you can simply edit the information.

To Edit a Contact In Your Address Book

Use the following steps to edit a contact in your address book.

1. Click the **Find** tab.
2. Click the **Address Book** button .
   The DeLorme Address Book dialog box opens.
3. Double-click the record you want to edit.
   OR
   Click the record you want to edit and then click **Edit**.
4. Edit the applicable information.
5. If you want to move the contact, select the method to place it on the map from the **Update Location** drop-down list.
6. Click **OK**.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Manually Moving a Contact on the Map

Once you have created a contact in an address book, you can manually move it on the map using the move address book entry function.

To Manually Move a Contact's Location on the Map

Use the following steps to manually move a contact's location on the map.

1. Click the **Find** tab.
2. Click the **Move Address Book Entry** button .

   Your cursor changes to when you hover over the location of an address book contact.
3. Click and drag the contact to a different location on the map.
   The **Located** status for that record (in the Address Book dialog box) changes to **Manual**.
4. Click the move address book entry icon again to resume normal map operations.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Relocating Address Book Contacts

Once you import an address book from a previous version of your application, you can relocate your address book entries (except for manual entries) so they match the most recent data. You are prompted to do this the first time you open the address book after installing a new version of your application; however, if you do not relocate the entries at that time, you can do it later.

Important If you do not relocate your address book, the entries may not be accurately placed according to the latest DeLorme road data.

To Relocate Contacts In Your Address Book

Use the following steps to relocate address book entries (except manual entries) on the map.

1. Click the **Find** tab.
2. Click the **Address Book** button .
   The DeLorme Address Book dialog box opens.
3. Click **Relocate All**.
   A confirmation message displays.
4. Click **OK** to relocate the entries.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Deleting a Contact In Your Address Book

Once you successfully create an address book, you can delete the contact information at any time.

To Delete a Contact In Your Address Book

Use the following steps to delete a contact in your address book.

1. Click the **Find** tab.
2. Click the **Address Book** button .
   The DeLorme Address Book dialog box opens.
3. Click the record you want to delete.
4. Click **Delete**.
5. Click **OK** to confirm the deletion.
6. Click **Done**.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Showing/Hiding Address Book Contacts on the Map

Once you add contacts to your address book, you can show or hide the contact information on the map.

To Show/Hide Address Book Contacts on the Map

Use the following steps to show/hide address book contacts on the map.

1. Click the **Find** tab.
2. Select the **Book** check box to show address book contacts on the map and enable address book searching with the Find tab, Route tab, and toolbar.
   OR
   Clear the **Book** check box to hide address book contacts on the map and disable address book searching with the Find tab, Route tab, and toolbar.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Deleting Your Entire Address Book

Once you have created an address book, you can delete the records it contains one at a time or all at once.

To Delete an Entire Address Book

Use the following steps to delete an entire address book.

1. Click the **Find** tab.
2. Click the **Address Book** button .
   The DeLorme Address Book dialog box opens.
3. Click **Clear All**.
   A confirmation message displays.
4. Click **OK** to delete the address book.
5. Click **Done**.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Exporting Your Address Book

You can export your address book to another program using the Export function in the Address Book dialog box. Exported address books are in DeLorme Address Book (binary) or comma separated file (csv/text) format. Latitude and longitude values are not exported.

To Export Your Address Book

Use the following steps to export your address book.

1. Click the **Find** tab.
2. Click the **Address Book** button .
   The DeLorme Address Book dialog box opens.
3. Click **Export**.
   The Save As dialog box opens.
4. Browse to the location where you want to save the exported address book file.
5. Type the file name for your exported file in the **File Name** text box.
6. Select **DeLorme Address Book (*.dab)** (binary format) or **Comma-separated File (*.csv)** (text file format) from the **Save as Type** drop-down list. DeLorme Address Book files retain all of their information and can be imported into compatible DeLorme programs. Comma-separated files do not contain coordinate information. You can view text files in third-party applications such as Microsoft® Excel.
7. Click **Save**.
8. Click **OK** to acknowledge the export location.
9. Click **Done**.

Notes

- The address book has a 200-record limit.
- You can resize and move the Address Book dialog box.
- You can resize the columns inside the Address Book dialog box.

Searching for Phone Book Listings

Using Phone Data

You can install the phone data to your hard drive or use it from the DVD.

To Install Phone Data to your Hard Drive

If you install the phone data to your hard drive, it is always accessible when you use the Phone tab.

To install the data:

1. Insert the Phone Data DVD into your DVD-ROM drive.
   The Installation Wizard opens.
2. Follow the on-screen steps to install the phone data to your hard drive.

To Use Phone Data from the DVD

You can use the phone data from the DVD without installing it to your hard drive.

1. Insert the Phone Data DVD into your DVD-ROM drive.
   The Installation Wizard opens.
2. Click Cancel, click Yes when prompted, and then click Finish to exit the wizard.
3. Click the **Phone** tab.
4. Click **Data**.
   The Browse for Folder dialog box opens.
5. Browse to your DVD-ROM drive and click the **Phone** folder.
6. Click **OK**.
   The states/provinces on the disk in your DVD-ROM drive are available in the State/Prov drop-down list in the Phone tab.

Searching for a Phone Book Listing

This Help topic describes functionality that is available only in Street Atlas USA® Plus.

With the Phone tab, you can search for a name and address based on a given phone number or search for a phone number based upon a specified name and/or address. You can pick and choose your selections to add to map, make a dataset, and so on.

Notes

- A hyphen (-) before the name in a search result indicates a business listing.
- An asterisk (*) before the name in a search result indicates a Do Not Call preference. *The person or business listed has registered a preference to not be solicited by telephone (as provided by law). DeLorme products cannot be relied upon as a method for legal compliance with state and federal regulations. A number is flagged as Do Not Call if at least one of the following is true:*
  The phone number is unlisted. Unlisted phone numbers allow customers to have their phone number be available from directory assistance but not

published in any phone directories.
***Note** Customers paying for non-published service desire complete privacy of their phone number, which means it is not published in the phone book and is unavailable from directory assistance. Non-published numbers are not available in Phone Data.*
The phone number is on the Federal Trade Commission's National Do Not Call Registry.
You can register your home or mobile phone number or verify your registration at https://www.donotcall.gov.
The address is on a mail preference list that limits mail solicitations.
You can register your preference for mail and e-mail solicitations with the Direct Marketing Association at http://www.the-dma.org/

- Click **Clear** at any time to remove all of your search criteria from the Phone text boxes.
- Select the **Any State** option to include all states in your search or if you do not know the state for your query.

To Search for a Phone Book Listing

Use the following steps to search for a phone book listing.

1. If you have not installed the phone data to your hard disk drive,you can use it from the DVD.
2. Click the **Phone** tab to display the Phone dialog area.
3. Select the **Residential** check box to view residential phone book listings.
   AND/OR
   Select the **Business** check box to view business phone book listings.
   AND/OR
   Select the **Hide Multiple YP Headings** check box to display only one Yellow Pages heading for each business phone number.
4. Select the country you want to search within from the **Country** drop-down list.
   The States/Provinces drop-down list updates according to the selected country.
   Note If you are using an older version of DeLorme Phone Data, only U.S. will be available in the Country drop-down list. Phone Data 2009 and later includes both U.S. and Canadian phone data if you install all of the regions.
5. Type/select the name, street address, city, state, and/or ZIP/Postal Code to search for the phone number(s) associated with that information.
   OR
   Type the phone number to search for the name, address, city, state/province, and ZIP/Postal Code associated with that phone number.
   OR
   Type yellow page keywords in the **Yellow Pg** text box to find all of the phone book listings available based on your search criteria.
   Notes
   - Type a city in the **City** text box to narrow your yellow page search. Do not enter more than five digits for a ZIP Code search or three digits for a Postal Code search.

- Yellow page keywords must be at least three characters in length.

Text Box	Tip
Name	Name searches do not require punctuation. Type the last name first. The Phone tab recognizes partial last names. You may get better results (for longer names or if you are unsure of the spelling) if you only type a portion of the name. Many business names are abbreviated in phone book listings. For best results, try additional searches using alternate spellings or abbreviations.
Street Address	Street name descriptors (e.g., street, road, drive) should not be used for address searches. However, you can use street name abbreviations (e.g., st, rd, dr). You can use street address ranges (such as 100-200 Main St) for address searches.
City	Long city names may be abbreviated in the Phone data. Try shortening the city name until the search finds the city name you recognize, then use that abbreviation. City listings may have variances in spelling, such as "Saint Louis" rather than St Louis".
ZIP/Postal Code	ZIP Code searches must contain at least three digits. Postal Code searches must contain at least three characters.
Phone	Phone number searches are performed by entering at least three digits (the area code).
Yellow Pg (Yellow Pages)	Yellow page searches should be singular (for example, type **restaurant** instead of **restaurants**). If you use multiple words, all of the words are required to form a match. There are over 34,000 yellow page headings possible. Use keywords you would expect to find in the yellow pages. Yellow page searches must be at least three characters in length.

6. Press the ENTER key on your keyboard or click **Search**.
   The search results display in the Search Results area on the lower-left corner of the dialog area.

   Notes

   - If you do not receive any results from your yellow page search, use an alternative keyword for your search attempt. For example, if you are looking for a clothing store, type “clothing” instead of “clothes.” Or, if the alternative keyword still does not work, search (by name) for a clothing store and see what category it is listed under (the category displays in parenthesis at the end of the result).
   - If more than 1000 search results match your search criteria, the More button becomes activated. Click More to browse to the next 1000 search results.

7. Click one or more search results in the Search Results area and then click **Add** (or right-click on the search results and select **Add** from the shortcut menu) to add your search result to the Selection area on the lower-right corner of the dialog area.
   Note Press the CTRL key on your keyboard to select more than one search result at a time. You can also double-click a search result to add it to the Selections area
   OR click **Add All** (or right-click the search results and click **Add All**) to include all of your search results to the Selection area.
   Note The Selection area has a 1,000 listing limit, as described in the license agreement.
8. Use one of the following options to modify the selections in the Selections area:
   - Click **Map** (or right-click your selections and click **Map**) to add your phone book listings to the map. To add all of the phone book listings in the Selections area to the map, right-click the selections, click **Select All**, and then click **Map**. Once a phone selection is on the map, you can view details about the listing by right-clicking its symbol and clicking **Info**.
     Note Mapped businesses are indicated with a square symbol on the map and mapped residences are indicated with a small house symbol on the map. Phone selections (symbol and label) that are placed on the map appear in red if they have been located reliably to a street address. Otherwise, the approximate location appears light gray on the map.
   - Click a listing in the Selections area and click **Remove** (or right-click a listing and click **Remove**) to remove the phone book listing from your list of selections.
   - Click **Remove All** (or right-click on your selections and click **Remove All**) to remove all of the phone book listings from the Selection area. All mapped selections will be removed from the map.
   - Click **To File** to save all of the phone book listings in the Selections area in a .txt file. The default location for the file is *C:\DeLorme Docs\Datasets*.
   - Click **To XData** to copy all of the phone book listings in the Selections area to the XData tab as a dataset (using the Import Wizard).
     Note This option is unavailable when the XData tab is hidden with Tab Manager.
   - Click a previously mapped listing in the Selections area to highlight it on the map.
   - Double-click a listing in the Selections area to center the map on that listing.

Note You can also copy, search, and sort search results and selections using right-click mouse options.

Finding Phone Book Listings for a Specific Road

This Help topic describes functionality that is available only in Street Atlas USA® Plus.

You can right-click a road to view all of the residential and business phone book listings on that road.

Notes

- A hyphen (-) before the name in a search result indicates a business listing.
- An asterisk (*) before the name in a search result indicates a Do Not Call preference. *The person or business listed has registered a preference to not be solicited by telephone (as provided by law). DeLorme products cannot be relied upon as a method for legal compliance with state and federal regulations. A number is flagged as Do Not Call if at least one of the following is true:*
  The phone number is unlisted. Unlisted phone numbers allow customers to have their phone number be available from directory assistance but not published in any phone directories.
  Note *Customers paying for non-published service desire complete privacy of their phone number, which means it is not published in the phone book and is unavailable from directory assistance. Non-published numbers are not available in Phone Data.*
  The phone number is on the Federal Trade Commission's National Do Not Call Registry.
  You can register your home or mobile phone number or verify your registration at https://www.donotcall.gov.
  The address is on a mail preference list that limits mail solicitations.
  You can register your preference for mail and e-mail solicitations with the Direct Marketing Association at http://www.the-dma.org/
- Click **Clear** at any time to remove all of your search criteria from the Phone text boxes.
- Select the **Any State** option to include all states in your search or if you do not know the state for your query.

To Find Phone Information for a Specific Road

Use the following steps to find available phone information for a specific road. If you did not install the phone data to your hard drive, you can use the DVD.

1. To find all of the phone listings for a particular address, search for a phone book listing, right-click a search result, and then click **Search This Address**. All of the phone listings for that address display.
   OR
   To find phone information using the map, pan the map or click the **Find** tab and use the QuickSearch function to locate the road you want to use for your phone book listing search. Then, right-click the road and click **Phone Listings**.
   All the phone book listings for that road (in that city) display in the Search Results area on the lower-right corner of the dialog area.

Notes If more than 1000 search results match your search criteria, the More button becomes activated. Click More to browse to the next 1,000 search results.

2. Click one or more search results in the Search Results area and then click **Add** (or right-click the search results and click **Add**) to add your search result to the Selection area on the lower-right corner of the dialog area.
   Note Press the CTRL key on your keyboard to select more than one search result at a time. You can also double-click a search result to add it to the Selections area.
   OR
   Click **Add All** (or right-click the search results and click **Add All**) to include all of your search results to the Selection area.
   Note The Selection area has a 1,000 listing limit, as described in the license agreement.
   OR
   Click **Clear All** (or right-click on the search results and click **Clear All**) to remove all of the search results from the Selection area.
3. Use one of the following options to modify the selections in the Selections area:
   - Click **Map** (or right-click on your selections and select **Map** from the shortcut menu) to add your phone book listings to the map. If only one item is selected, the map centers on the object. You can add all of the phone book listings in the Selections area to the map by right-clicking on the selections, selecting **Select All** from the shortcut menu, and then clicking **Map**. Once a phone selection is on the map, you can view details about the listing by right-click its symbol and selecting **Info** from the shortcut menu.
     Note Mapped businesses are indicated with a square symbol on the map and mapped residences are indicated with a small house symbol on the map. Phone selections (symbol and label) that are placed on the map will appear in red if they have been located reliably to a street address. Otherwise, the approximate location appears light gray on the map.
   - Click a listing in the Selections area and click **Remove** (or right-click a listing and click **Remove**) to remove the phone book listing from your list of selections.
   - Click **Remove All** (or right-click your selections and click **Remove All**) to remove all of the phone book listings from the Selection area. All mapped selections are removed from the map.
   - Click **To File** to save all of the phone book listings in the Selections area in a .txt file.
     The default location for the file is *C:\DeLorme Docs\Datasets*.
   - Click **To XData** to copy all of the phone book listings in the Selections area to the XData tab as a dataset (using the XData Import Wizard).
     Note This option is unavailable when the XData tab is hidden with Tab Manager.
   - Click a previously mapped listing in the Selections area to highlight it on the map.
   - Double-click a listing in the Selections area to center the map on that listing.

Using XData

XData Overview

- XData is available only in Street Atlas USA® Plus.
- Supported file formats include:
  - Microsoft® Access (.mdb, .mdw, and .mda)
  - Microsoft Excel (.xls)
  - Microsoft Visual FoxPro (.dbf)
  - dBase (.dbf)
  - Text files (.txt, .csv, .tab, and .asc)
- XData labels, names, and URLs cannot be more than 255 characters.

You can use the XData tab to import your data so you can view the location of each record on detailed maps. To geoplace (locate) your records on the map, the data file must contain either a coordinate (in decimal degrees), a city and state, a ZIP/Postal Code, or a complete physical address (street address, city, state) for each record.

Whatever your business needs, you have powerful database management tools to help you plan accordingly.

You can:

- Import most database, spreadsheet, and text file formats for use within the program.
- Select symbols (or design your own) to represent the locations of your records.
- Display or hide databases so you can use them one at a time or together. You can also use your data with other program functions.
- Customize an existing dataset and then save the new dataset by using the Export function.
- Create a route using your XData records as a start, stop, and/or finish point.

Importing Data

You can import your own data and view the location of each record on detailed maps. To locate (or geoplace) your records on the map, the file must contain either a coordinate, a ZIP/Postal Code, or a complete physical address (street address, city, state) for each record.

- XData is available only in Street Atlas USA® Plus
- Supported file formats include:
  - Microsoft® Access (.mdb, .mdw, and .mda)
  - Microsoft Excel (.xls)
  - Microsoft Visual FoxPro (.dbf)
  - dBase (.dbf)
  - Text files (.txt, .csv, .tab, and .asc)
- XData labels, names, and URLs cannot be more than 255 characters.

To Import a Database

Use the following steps to import a database into the current map file.

1. Click the **XData** tab.
   Each dataset included in the current map file display under Available Datasets.
   Note If the check box is selected, it indicates that the dataset is displayed on the map. Clear the check box to hide the dataset's symbols on the map.
2. Click **Import** to open the Import Wizard.
3. On the Select Data Source screen, click **Data Source** to locate and select the file from the **Open** dialog box and then click **Next**.
   Note If your file is not available in the directory as expected, you may need to change the file type in the Files of Type drop-down list.
4. If your data source is a .csv or .txt file, complete this step. If not, go to step 5.
   The Select Schema screen displays. Verify how the data displays in the columns. If it is not displaying correctly, under **Schema Type**, select the option that separates your data into the appropriate columns. If your first row is not a header row, clear the **First Row is Header** check box. Click **Next**. The Assign Field Types screen displays.

   Notes

   - Select **Other** under **Schema Type** to use a non-standard file schema definition. You can then select any combination of Tab, Space, Comma, and Other. If you select **Other** under Delimiter, type the character(s) that separate your data in the text entry box.
   - The First Row is Header check box is selected by default. The program attempts to automatically assign field names based on the data in the first row.
5. Select the column you want to display as a label on the map using the available radio buttons.
   Note You can clear a selection to have no label displayed on the map.
6. Click the **Assignment** header for each column and select the appropriate field option from the shortcut menu.
   The Status text box indicates how your data will be geoplaced on the map.
7. Select how you want to locate your field information (street address or ZIP/Postal Code).
   Note The available Locate By options are based on which fields have been assigned to the columns.
8. Click **Next**.
   The Select Data Symbol screen displays.
9. Under **Match Status**, click **Exact**, **Street Name**, **Area**, or **ZIP Center** and then select the unique symbol and text properties you want to display for each match status.
   Assigning different symbols/text to your records based on match status shows a visual representation on the map of which records in your dataset were geoplaced exactly, only by street name, only by area, or only by ZIP Center.
   OR
   Under **Match Status**, select the **Use the same symbol/text for all categories** check box to identify all of your records on the map using the

same symbol without taking match status into consideration.
Note Click **Edit to use XSym** to create a new symbol or edit an existing symbol. For more information, see topics listed under Custom Symbols in the Draw section of the Help.

10. Click **Next**.
    The Data Options screen displays.
11. Type the name for the dataset along with any additional identifying comments.
    The date and time of creation are automatically recorded.
12. Click **Finish**.
    A progress bar displays with the status of matched records. When the import process is complete, the dialog box automatically closes, the dataset name displays in the Available Datasets list, and the symbol you chose displays on the map for every record which was geolocated.
    Note Datasets have .dds extensions and are saved by default to *C:\DeLorme Docs\Datasets*.

Note If you decide to interrupt the import process, you can finish importing the dataset later by selecting the dataset from the **Available Datasets** list in the XData tab and then clicking **Resume**.

Managing Datasets

XData is available only in Street Atlas USA® Plus.

You can manage your dataset after you have imported/copied it as a dataset.

To Manage Your Datasets

Use the following steps to manage your datasets.

1. Click the **XData** tab.
   A list of the datasets available in the current map file displays in the Available Datasets window. From this screen you can:
   - Update the symbols in the selected dataset by clicking **Symbolize** and updating the symbol properties.
   - Delete the selected dataset by clicking **Delete**. The dataset is deleted from the map, the current map file, and from your computer.
   - View the records within the selected dataset by clicking **Query**. For more information, see Viewing Dataset Records.

   Note A selected check box indicates that the dataset is being displayed on the map. Clear the check box to hide the dataset's symbols on the map.
2. Click a dataset to select it and then click the **Query** subtab. You can then:
   - Edit a record in the dataset by double-clicking inside the cell you want to edit or by right-clicking the record (in the Query subtab) and clicking **Edit**.
   - Press the TAB key on your keyboard to advance through the cells in the record. When you are finished editing the record, press the ENTER key on your keyboard.

- Create a route using a record in the dataset by right-clicking the record you want to use as your start, stop, or finish route point, clicking **Route**, and then clicking the route option.
- Add a blank record to the end of the records list by clicking **Add**.
- Duplicate a record in the dataset by right-clicking the record and clicking **Duplicate Record(s)**. Duplicates of the records will be available at the bottom of the record list.
- Delete a record in the dataset by selecting the record and clicking **Delete** or by right-clicking the record and clicking **Delete Record(s)**.
- Center the map on the selected dataset by double-clicking it or clicking **Go To**. The map view changes to encompass all of the geoplaced records within that dataset.
  Note To re-geoplace those records, click **GeoCode** or right-click the records and select **GeoCode Record(s)**.
- Center the map on a particular record by double-clicking the first column of the record or by selecting the record and clicking **Go To**.

Viewing Dataset Records

XData is available only in Street Atlas USA® Plus.

After you have imported your data as a dataset, you can view information about the dataset, view the data records within a dataset, and select a specific record and view its symbol on the map.

To View Records

Follow the steps below to view records within a particular dataset.

1. Click the **XData** tab.
   A list of the datasets available in the current map file is displayed in the Available Datasets window.
   Note A selected check box indicates that the dataset is being displayed on the map. Clear the check box to hide the dataset's symbols on the map.
2. Click a dataset to select it.
   The name, date, and time that the dataset was created display in the Dataset Statistics window. Any additional comments that you added during the import process also display here.
3. Click **Query**.
   The records for the selected dataset display in the records window. You can then:
   - View a dataset other than the one currently selected by selecting the dataset from the **Use Dataset** drop-down list. The records contained within the dataset display in the table below. The Located To column indicates how each record was geoplaced on the map (by Address, ZIP/Postal Code, Street, Coordinate).
     Note You can adjust the size of the tab area to expand the table.
   - Limit which records of the dataset display in the table by selecting one of the options from the **Table Display** drop-down list. Some of the

Table Display options provide additional drop-down lists to choose a more limited query. For example, selecting the Records by Placement option provides an additional drop-down list of options so you can choose to display only those records placed to specific addresses, only those records placed manually, and so on.

Additional Viewing Tips

The following list provides information on how to view records or obtain information about the dataset symbols on the map while in the Query dialog area.

- To select records and view the corresponding symbol on the map:
  - To select one record, click the record.
  - To select multiple records individually, press the CTRL key on your keyboard while clicking each of the individual records.
  - To select a block of records, press the SHIFT key while clicking the record at the beginning of the block, and then click the record at the end of the block. All of the records are selected.
- To center the map on the selected record(s), click **Go To**.
  Note To geoplace records again, click **GeoCode**.
- To delete one or more records within the dataset, while in the Query dialog area, select each record using one of the methods described above and then click **Delete**. Click **Yes** to confirm the deletion. Deleted records are unrecoverable.
- To view the record of a particular dataset symbol on the map, click **Select** and then click the symbol on the map. Only the corresponding records display in the record window.
- To resize columns, place the pointer near the column border in the header of the desired column. When the pointer changes to a double arrow, drag the column in the direction you want to increase or decrease its size.
- To arrange the records in ascending order according to a particular column, click the header of that column. Click the column header again to arrange the records in descending order.

Creating a Route with XData Records

XData is available only in Street Atlas USA® Plus.

Once you import an XData dataset, you can use the individual records within the dataset to create a route.

To Create a Route with XData Records

Use the following steps to create a route with XData records.

1. Import a database into the XData tab.
2. Click the **Query** subtab.
3. Right-click the record you want to use as a start for your route, click **Route**, and then click **Set as Start**.

4. Optional. Right-click the record you want to use as a stop in your route, click **Route**, and then click **Insert as Stop** to add the stop geographically in the route or click **Add as Stop** to add the stop in the order it was added to the route.
5. Right-click the record you want to use as a finish in your route, click **Route**, and then click **Set as Finish**.

Geocoding or Moving a Record's Location

XData is available only in Street Atlas USA® Plus.

During the import process, the program attempts to geocode all records. This means it places the symbol for the record on specific map coordinates (based on address or coordinate information). Once you have imported your data, you may want to make changes to the data and manually geocode the record(s) to the new location(s). How an item has been located displays in the Located To column of the dataset's records.

To Move a Record's Location

Use the following steps to move a record's location.

1. Click the **XData** tab.
2. Click **Query**.
3. Select the dataset you want to view from the **Use Dataset** drop-down list.
4. Select **Records by Placement** from the **Table Display** drop-down list.
5. Select **All Placed Records** from the **Record Placement** drop-down list.
6. Scroll right to the **Located To** column and view how each record in the dataset was placed.
   Any item listed as Not Placed or ZIP Code can be manually geocoded.
7. Select the record you want to move.
8. To manually place a record that has not been placed on the map, drag the record from the table to the location on the map. The Located To field for that record now reads as Manual Placement.
   OR
   Click **GeoCode** to geocode a record again.
   OR
   Right-click the record(s) and then click **GeoCode Record(s)**.

Exporting Data

XData is available only in Street Atlas USA® Plus.

You can export datasets to another dataset or a text file. It is important to export datasets because:

- If you have modified a dataset after you have imported it, you may want to save the new dataset for use in XMap (as a dataset) or as a text file.

- If you have exported a copied dataset (resulting from conducting a phone book listing search) and then used the To XData function within the Phone tab, you can modify and export it to a new dataset or export it as a text file.

To Export Data

Use the following steps to export data.

1. Click the **XData** tab.
2. Click **Query**.
3. Select a dataset from the **Use Dataset** drop-down list.
   The records contained within the dataset display in the records window.
4. To limit which records of the dataset are available for export, you can:
   Select one of the options from the **Table Display** drop-down list.
   OR
   Select records manually from the existing dataset. To select multiple records individually, press the CTRL key on your keyboard while clicking each of the desired records. To select a block of records, press the SHIFT key while clicking the record at the beginning of the block, and then click the record at the end of the block; all of the records between the two you clicked are now selected.
5. Click **Export**.
6. Under **Export Options**, select one of the following options:
   - **Export to New Dataset**—Exports the file as a .dds file for use within the program as another dataset.
   - **Export to Text File**—Exports the file as a .txt file for use in other programs.
7. Under **Records to Export**, select one of the following options.
   - **Entire Dataset**—Exports all records in the selected dataset, including records that have not been placed.
   - **Records in List (#)**—Exports the records currently displaying in the Query table. The number of records is in parentheses. This may be a subset of the dataset, if you selected one of the Table Display options from the drop-down list in the Query dialog area.
   - **Only Selected (#)**—Exports only those records currently selected in the Query table. The number of records is in parentheses. These are the records you selected manually.
8. To export your dataset as another dataset, click **Create Dataset** and follow the instructions provided to select a data symbol for each match status, type a dataset name, and select the map display option(s). Click **Finish** when prompted. Exported files are available immediately in the Available Datasets list in the Datasets dialog area of the XData tab. These files have .dds extensions and are saved in the *C:\DeLorme Docs\Datasets* directory by default.
   OR
   To export your dataset as a text file, make sure the **Export to Text File** option is selected. Type the file name in the **File** text box and click **Save**. Exported files have a .txt extension and are saved in the *C:\DeLorme Docs\Datasets* directory by default.

Printing XData Dataset Records

XData is available only in Street Atlas USA® Plus.

You can print records from datasets imported with the XData tab. For information on viewing records from imported datasets, see Viewing Dataset Records.

To Print XData Dataset Records

Use the following steps to print dataset records.

1. Click the **XData** tab and then click **Query**.
2. Select a dataset from the **Use Dataset** drop-down list. Set Table Display or Record Placement options if they are available for your dataset.
3. Click the **Print** tab and then click **XData** to display the Print/XData dialog area.
   The title of the currently selected dataset displays in a text box in the Dataset Print Title area.
4. Optional. Click **Setup** to open the Print Setup dialog box; select a printer, change printer properties, select paper size, and select paper orientation. Click **OK** when finished.
5. Click **Columns** to view the Columns display area if the Print dialog area is minimized.
6. Under **Dataset Print Title**, select the **Print Title** check box to display a title on each printed page. Select the **First Page Only** check box to only display the title on the first printed page.
   Note Click **Font** to change the font, style, size, and/or script.
7. Under **Records**, select an option.
   Note Various options are available under the Records drop-down box depending on options you chose under the Table Display drop-down box in the XData dialog area. You can choose specific options available or to print All Records in the dataset.

Option	Action
Print Column Names	Displays column names on each printed page. Clear the check box to have no column names display.
First Page Only	Displays column names on the first page only. This option is unavailable if the Print Column Names check box is cleared.
Print Column Borders	Displays borders around table columns.
Shade Alternate Records	Displays shading in alternate rows in the table.

8. Under **Columns**, select an option.
   Note Selected check boxes indicate the columns that will print. Clear a column check box if you do not want the column to print or click:

- **Select All** to select and print all columns.
- **Select None** to clear all columns (no columns will print).
- **Reverse Selection** to alternate selections. For example if you have selected columns 1, 3, and 5 to print and decide you want to print columns 2, 4, and 6 instead. The Reverse Selection option selects those columns that were cleared.

9. When all options are selected, click **Print**.

Note For specific recommendations on best printing results, see your printer manual.

Using the Draw Tools

Draw Overview

You can add draw objects, such as routable roads, waypoints, tracks, text, symbols, MapNotes, images, lines, arcs, splines, circles, polygons, and rectangles to your map with the tools provided in the Draw tab.

To work with existing draw objects, you must first open the existing map file that contains the object or draw file.

For more information, click the link for the version of the product you are using.

- Street Atlas USA Plus OR regular Street Atlas USA with Advanced File Management

  What is a Draw File?

  Imagine a draw file as a sheet of glass laying on top of your map. You can add various objects to the draw file to help enhance or pinpoint specific areas on the map, but these objects do not become part of the map. They exist in a draw file that overlays the map.

  - There are four different types of draw files: draw, road, waypoint, and track. You can create more than one draw file and overlay one on top of the other while still viewing the map beneath. See Editing/Locking Draw Files in this section.
  - A draw file is automatically generated the first time you add a draw object to the map.
  - You can save draw objects in a single draw file or in multiple draw files.
  - Draw files are saved by default in *C:\DeLorme Docs\Draw* with the default name; for example, DrawLayer#.an1, with # indicating the number order in which the file was created. You can rename draw files to better identify your specific information. See Creating a New Draw File in this section.
  - You can view draw files individually or with other draw files.
  - As you create draw files, they are added to the current map files.
  - You can add draw files you create to multiple map files.
  - When you clear or delete a draw file, the objects in the draw file do not display and are deleted along with the draw file.
  - You can control the creation of new draw files in the draw file editing area. See Creating a New Draw File in this section.
  - You can display multiple draw files while working on your map. You can work on one draw file at a time while viewing other files beneath it. You can select different draw files to be the active, editable file from within the Draw tab. See Editing/Locking Draw Files in this section.
  - Draw files created in a particular map file are displayed only if that map file is currently displaying. For example, if DrawLayer27 is created in a map file named Yarmouth Zoom 14 only, DrawLayer27 does not display if a map file named Old Port is currently displaying.
  - Routable roads are not tied to a map file; they do not change even when a map file is changed.

What is a Draw Object?

Draw objects are those objects you add to a draw file with the tools provided in the Draw tab. Draw objects consist of line, area, or point objects. You can copy, move, delete, and add draw objects to other draw files and add them to another map file.

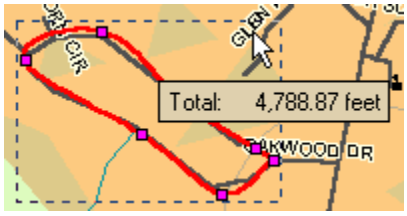
- Line objects are those objects consisting of line segments and points, such as:
  - Routable Roads
  - Tracks
  - Lines
  - Arcs
  - Splines
- Area objects are those objects consisting of one or more closed line objects, such as:
  - Polygons
  - Rectangles
  - Circles
- Point objects consist of one anchor point attached to either a waypoint, symbol, MapNote, image, or text label. The anchor point is the pixel position on the symbol that corresponds to the geographic coordinate of the point selected on the map when the symbol is placed.
- Draw objects added to a draw file contain points that give the object its shape or allow you to snap one object to another object. Points display and act in different ways within the various draw objects. Click a link below to view additional information.

Points in Routable Roads, Tracks, Lines, Splines, and Polygons

Draw objects such as routable roads, tracks, lines, splines, and polygons consist of shape points and end points.

Shape points are the points you place on the map when creating the object. They give the object its shape. When you select a draw object on the map, shape points display along the active object as small magenta squares.

The line object below was drawn with the spline tool.

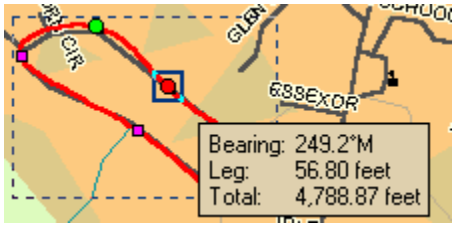


End points are the first and last points of individual line segments on a draw object. When you select a shape point of a line segment within an active line, spline, or polygon:

A small green circle indicates the start end point of the selected line segment.

A small red circle indicates the last end point of the selected line segment.

The same spline with end points indicating a selected spline segment.



Notes

- When you click the start or last end point of the line segment within a line draw object and the Show Measurement check box is available (when using the Polygon or Line tool) and selected, it displays the bearing or angle of that point of the line, the length of the line segment (leg), and the total length of the entire line object on the map.
- When you click the start or end point of the line segment within a polygon draw object, a text box displays the bearing or angle of that point of the line, the length of the line segment (leg), and the total area of the polygon on the map.

Points in Rectangles, Circles, and Arcs

Draw objects such as rectangles, circles, and arcs also contain points, but they are treated differently.

Rectangles—Contain shape points at the four corners, but the lines between the shape points contain no editable end points. When you click one of these shape points, a text box displays the width, height, and area of the rectangle on the map.

Circles—Contain no shape points, but have a central point that does not display until you snap it (see Note below) to another object. Clicking the circle displays a central crosshair within the circle and a text box containing information on the area and radius of the circle on the map.

Arcs—Contain three shape points. When you click any of the points, a text box displays the angle or bearing of the selected point, the radius of the arc, and the total length of the arc line on the map.

Only the first and second points you placed on the map when creating the arc are treated as start and end points (i.e., show red or green when clicked). The central magenta shape point, or third point you placed, determines the shape of the arc.

Note For information on snapping a draw object to another draw object, see Snapping Draw Objects in this section.

Points in Draw Objects

Point Objects, such as waypoints, symbols, and text, do not have shape or end points. Text label objects contain a point at the bottom center of the text label box and are only visible during a snap.

Points in MapNotes

MapNotes do not have shape or end points. They contain an anchor point at the end of the text box. Click the MapNote to display a central crosshair at the anchor point.

- Regular Street Atlas USA with Simplified File Management

  If you are using Street Atlas USA with simplified file management, draw objects are saved in the map file rather than in a draw layer.

Note for regular Street Atlas USA® users

Some of the information in this Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Viewing Hidden Draw Tools

The Draw tab tools allow you to add routable roads, waypoints, tracks, lines (straight lines, arcs, and splines), shapes (polygons, rectangles, and circles), MapNotes, text labels, images, and symbols to a draw file. Some of these tools are hidden tools available in pull-out menus.

To View the Hidden Draw Tools

Five draw tool options have pull-out menus with hidden tools. These draw tools each have a small arrow at the bottom-right of the draw tool button as shown in this sample .

Use the following steps to view the hidden draw tools.

1. Click the **Draw** tab.
2. Click and hold one of the visible tools shown below to display and select one of the options. Selecting a hidden tool changes the default option.

Routable Road Tool

Tracks/Waypoints Tool

Line/Arc/Spline Tool

Polygon/Rectangle/Circle Tool

MapNote/Text Label/Symbol/Image Tool

Draw File Management

Creating a New Draw File

There are four different types of draw files:

- **DrawLayer**—Created when you add a line, arc, spline, circle, rectangle, polygon, symbol, MapNote, or text label to the map.
- **RoadLayer**—Created when you add a routable road.
- **WaypointLayer**—Created when you add a waypoint to the map.
- **TrackLayer**—Created when you add a track to the map.

A draw file is automatically created when you add a draw object to the map and there are no draw files of that type included in or contained in the current map file.

You can control the creation of new draw files in the draw file editing area.

To Create a New Draw File

Use the following steps to create a new draw file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
   A selected check box next to the draw file's name in the file list indicates the file is displaying on the map.
   Note The draw file editing area is categorized by draw file type. For example, all roadlayer files are grouped together in the list, all drawlayer files are grouped together, and so on.
3. Click **New** and then click **Draw**, **Road**, **Waypoint**, or **Track**.
   The new file is now the active draw file. Each draw file type has an active file.
4. Optional. If you want to rename the draw file:
   Right-click the draw file in the draw file editing area and click **Rename** in the shortcut menu. Type the new name in the **Name** box and press the ENTER key on your keyboard.
   OR
   Click the draw file in the draw file editing area and then click it again (do not double-click). Type the new name in the **Name** box and press the ENTER key on your keyboard.
5. Optional. If you want to ensure no changes are made to a particular draw file, select the **Lock** check box for that draw file in the draw file editing area.
6. Click **Save**.
7. Click **Done** to return to the main Draw tab area.

Note You can save new draw files any time. For more information, see Saving a Draw File in this section.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Saving a Draw File

After you finish adding draw objects to a draw file, you can save them in a draw file that you can view or edit later. Any time you edit a draw file, click **Save** to save your changes.

To Save a New Draw File

Use the following steps to save a draw file.

1. Click the **Draw** tab.
2. Click **File**.
3. Click **Save**.
   Draw files are saved by default in the *C:\DeLorme Docs\Draw* directory with .an1 extensions.
4. Click **Done** to return to the main Draw tab area.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Deleting a Draw File

You can delete a draw file you just created or one you previously saved.

To Delete a Draw File

Use the following steps to delete a draw file.

1. Open the map file that contains the draw file you want to delete.
2. Click the **Draw** tab.
3. Click **File** to open the draw file editing area.
   A draw file with a selected check box displays on the map.
   Note The draw file editing area is categorized by draw file type (for example, all road layers are grouped together in the list, all draw layers are grouped together, and so on).
4. Select a draw file from the file list and then click **Delete**.
   Click **Yes** in the confirmation message box to delete the object or click **No** to cancel.
   OR
   Right-click the draw file in the list and click **Delete.**
   Click **Yes** in the confirmation message box to delete the object or click **No** to cancel.
5. Click **Done** to return to the main Draw tab area.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Hiding Draw Files

You can hide draw files you created. This removes from view all the draw objects in that file without permanently deleting them.

To Hide a Draw File

Use the following steps to hide a draw file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
   Note The draw file editing area is categorized by draw file type. For example, all road layers are grouped together in the list, all draw layers are grouped together, and so on.
3. Hide any files in the file list by clearing the check box next to the file name.

- A draw file with a selected check box displays on the map.
- A draw file with a cleared check box does not display on the map.

4. Click **Done** to return to the main Draw tab area.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Editing/Locking Draw Files

You can edit the current active (editable) draw file. You can also lock a draw file, making it uneditable.

To Edit a Draw File

Use the following steps to edit a draw file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
3. Verify the draw file you want to edit is displaying on the map. A draw file with a selected check box displays on the map.
4. Verify that the file is selected in the **Active** column in the file editing area.
5. Click **Done** to return to the main Draw tab area.
6. Click the **Select** tool and then click the draw file object on the map that you want to edit.
7. Click **File** and then click **Save** to save the changes you made to the draw file.
8. Click **Done** to return to the main Draw tab area.

To Lock a Draw File

Use the following steps to lock a draw file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
3. Select the **Lock** check box for each draw file you want to lock.
   Note Clear the **Lock** check box to make changes to a draw file.
4. Click **Done** to return to the main Draw tab area.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Exporting Draw Files to Text Files

You can export draw files as text files. Draw objects exported to text files contain coordinate information for each line, area, or point object. You can open these text files in other DeLorme products.

To Export Draw Files to Text Files

Use the following steps to export an existing draw file to a text file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
   A draw file with a selected check box displays on the map. The Active column shows the active layers.
3. From the file list, click the draw file to export.
4. Click **Export**.
   The Export Draw File dialog box opens.
5. Browse to a directory in which to save the file or use the default destination *C:\DeLorme Docs\Export*.
6. Select **Text File** from the **Save as Type** drop-down list.
7. Type a name for the file in the **File** name text box. The default name is root name of the layer.
8. Click **Save**.
9. Click **Done** to return to the main Draw tab area.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Exporting Track or Waypoint Files to GPX Files

You can export track or waypoint files as GPX files. GPX files derived from tracks contain the elevation, time, and GPS status for each point in the track. GPX files derived from a waypoint file include the waypoint name, comment, URL, lat/lon, elevation, time, GPS status and the symbol name. You cannot export more than one waypoint/track layer into a single GPX file.

To Export Track or Waypoint Files to GPX Files

Use the following steps to export an existing track or waypoint file to a GPX file.

1. Open the map file containing the track or waypoint file you want to export.
   OR
   Create a new track or waypoint file for exporting.
2. Click the **Draw** tab.
3. Click **File** to open the draw file editing area.
   A draw file with a selected check box displays on the map. The Active column shows the active layers.
4. Select the track or waypoint file to export from the file list.
5. Click **Export**.
   The Export Draw File dialog box opens.
6. Browse to a directory in which to save the file or use the default destination *C:\DeLorme Docs\Export*.
7. Select **GPX File** from the **Save as Type** drop-down list.
8. Type a name for the file in the **File** name text box. The default name is DrawExport.
9. Click **Save**.
10. Click **Done** to return to the main Draw tab area.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Importing Files to Draw Files

You can import many types of files as draw files. The file items display as draw objects within the draw file.

You can also use the Exchange dialog to download waypoint and tracks to the Draw tab. See the Help topics under *Using Handheld Devices* for more information.

See the chart at the end of this topic to learn what is imported for each type of file.

Important To add a draw file, such as a track, to a map file, click the **Add** button on the Map Files tab. For more information, see Editing a Map File on page 102.

To Import Files

Use the following steps to import a file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
3. Click **Import**.
   The Import Draw File dialog box opens.
4. Browse to the source folder of the file. The default directory is *C:\DeLorme Docs\Export*.
5. From the **Files of type** drop-down list, select the type of file you want to import.
6. If you selected GPS Log File format, select how you want the file to display on the map from the **Import As** drop-down list.
7. Select the file and then click **Open**. The draw objects in the imported file display. A new draw file is automatically created for the imported file.
8. Click **Done** to return to the Draw dialog area.

Notes

You can import a file containing survey information as long as the survey information is formatted correctly. For more information, see Sample Survey File.

- The file must start with **Begin Survey** and end with **End**.
- The second line must be a coordinate.
- The remainder of the file can be made up of lines or arcs. A line is defined by direction and length.
- A curve is defined by the word curve, followed by a letter representing the side of the arc to put the radius. This is followed by the length of the radius and the length of the arc. The arc is completed with a bearing from the start to finish point.

Street Atlas USA® only

This Help topic describes functionality that's provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single Map File. Simplified file management lets you save only one route and/or draw layer in a single Map File. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

If you import this type of file...	That results from this source...	The following is imported...
Text File (.txt)	Lat/Lon Text File	Annotation draw objects displaying with the current symbol and line style selections.
GPS Log File (.gpl)	Any DeLorme product that supports GPS tracking	Line or waypoint object displaying with the current line preferences.
GPX File (.gpx)	DeLorme product on third-party application	May contain one or more routes, tracks, or waypoints, as well as comments. **Note** • When you import a GPX file, all the waypoints, tracks, comments, and routes found in the file are imported at the same time.
Magellan® Track File (.log)	Magellan Track Log	Latitude, longitude, elevation, name and date/time (if specified).
Magellan Waypoint File (.upt)	Magellan Waypoint File	Latitude, longitude, elevation, name, comment, and symbol are imported.
Draw Layer Files	Topo USA® 2.0 (.ano)	Annotation draw objects displaying with the current symbol and line style selections.
MapDocs (.sa7, .sa8, .sa9, .mn5, .mn6, .mn7)	▪ Street Atlas USA® 7.0, 8.0, and 9.0. ▪ AAA Map'n'Go® 5.0, 6.0, and 7.0	Point objects and annotation draw objects displaying with the current symbol and line style selections.

Formatting a Text File to Import as a Draw File

These are the formatting conventions, with examples, for creating a text file to import as a draw file.

Draw Object	Format	Example
Line	BEGIN LINE LAT, LON LAT, LON LAT, LON END	BEGIN LINE 43.807801,-70.164440 43.807629,-70.163801 43.807211,-70.162746 43.806707,-70.163400 43.806696,-70.163905 43.807125,-70.164768 43.807801,-70.164440 END
Spline	BEGIN SPLINE LAT, LON LAT, LON LAT, LON LAT, LON END	BEGIN SPLINE 43.807801,-70.164440 43.807629,-70.163801 43.807211,-70.162746 43.806707,-70.163400 43.806696,-70.163905 43.807125,-70.164768 43.807801,-70.164440 END
Arc	BEGIN ARC LAT, LON LAT, LON LAT, LON LAT, LON END	BEGIN ARC 43.807801,-70.164440 43.807704,-70.162775 43.807211,-70.162746 43.807430,-70.163644 END
Polygon Rectangle	BEGIN POLY LAT, LON LAT, LON LAT, LON LAT, LON END	BEGIN POLY 43.808692,-70.165392 43.808692,-70.162493 43.806621,-70.162493 43.806621,-70.165392 43.808692,-70.165392 END
Circle	BEGIN CIRCLE LAT, LON, Radius END	BEGIN CIRCLE 43.807662,-70.163935,0.114611 END

Symbol	BEGIN SYMBOL LAT, LON, Name, Symbol Name END	BEGIN SYMBOL 43.807662,-70.163935,DeLorme, Blue Pin END
MapNote	BEGIN NOTE LAT, LON, Text END	BEGIN NOTE 43.807662,-70.163935,DeLorme END
Text Label	BEGIN TEXT LAT, LON, Text END	BEGIN TEXT 43.807662,-70.163935,DeLorme END

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Copying a Map Line to a Draw File

Map lines that you can copy to draw objects include segments of all types of roads and highways, railroads, power lines, pipelines, rivers or streams, and grid lines.

To Copy a Map Line

Use the following steps to copy a map line to a draw file.

1. Pan the map and zoom to the data zoom level.
   OR
   Open the map file with the map view you want.
2. Right-click the object on the map you want to bring into the draw file, point to **Manage Draw**, point to **Copy to Draw Object**, and then click the object in the list.
   The object is copied into the draw file using the current line style selections.

Note for regular Street Atlas USA® users

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Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Saving a Track as a GPS Log

You can save any track as a GPS Log using the right-click feature.

To Save a Track as a GPS Log

Use the following steps to save a track as a GPS log.

1. Place a track on the map.
2. Right-click the track, point to **Manage Draw**, and then click **Save as GPS Log File**.
3. Browse to the location where you want to save the .gpl file. The default location is *C:\DeLorme Docs\GPSLogs*.
4. Type the file name in the **File Name** text box.
5. Click **Save**.
   The original track is retained in its draw file and a new GPS log is created.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Viewing the Contents of a Draw File

Once you create a draw file (draw, road, waypoint, or track layer), you can view the contents of that file using the More button in the File view of the Draw tab.

To View the Contents of a Draw File

Use the following steps to view the contents of a draw, road, waypoint, or track file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
   All the files you have created display in a table. A draw file with a selected check box displays on the map.
3. Click to select the file that includes the contents you want to view.
4. Click **More**.
   The tab area increases in height and the file contents table displays. The information that displays in the table is dependent on the file type that is selected.
   - Draw layer contents include the draw object label (name), comments about the draw object, the URL assigned when the draw object was added to the map, the date and time the object was last modified, and the draw object type (symbol, line, polygon, circle, etc.).
   - Road layer contents include the routable road name, comments about the routable road, the URL assigned when the routable road was added to the map, the date and time the routable road was last modified, and the length of the road (in the measurement chosen in the Display settings).
   - Waypoint layer contents include comments about the waypoint, the URL assigned when the waypoint was added to the map, the date and time the waypoint was last modified, the coordinates of the waypoint, the elevation of the waypoint, and the symbol name.
   - Track layer contents include comments about the track, the URL assigned when the track was added to the map, the date and time the track was last modified, the start and finish time of the track, the total time of the track, the distance of the track (in the measurement chosen in the Display settings), and the number of readings that the track includes.
5. Optional. Double-click a draw object in the table to center the map on its location.
   OR
   Right-click the draw object in the table and click **Go To**.
6. Optional. To sort the columns of data in the table in ascending order, click the column header. Click the column header again to sort in descending order.
7. Optional. To modify a draw object's name, comment, or URL, in the table, click the draw file in the draw file editing area and then click it again (do not double-click). Type the new name in the **Name** box and press the ENTER key on your keyboard.
   OR
   Right-click the draw file in the draw file editing area and click **Rename** in the shortcut menu. Type the new name in the **Name** box and press the ENTER key on your keyboard.

Note To add a line break to text in the Comment field, press CTRL+ENTER on your keyboard.

8. Optional. To view the contents of a track file in a dialog box, right click the file in the draw file editing area and click **Details** in the shortcut menu.
9. Optional. To launch a Web browser for a draw object that includes a URL, right-click the file in the draw file editing area and click **Launch Browser**.
10. Optional. To delete a draw object, click the draw object in the table and click the **Delete** button.
    Click **Yes** in the confirmation message box to delete the object or click **No** to cancel.
    OR
    Right-click the draw object in the table and click **Delete**.
    Click **Yes** in the confirmation message box to delete the object or click **No** to cancel.
11. Optional. Click **Less** to return the tab height to its default height.

Note To edit the Comments field, click once in the cell, type your text in the box, and then press ENTER on your keyboard. When you hover your cursor over a comment, the entire comment displays as a ToolTip.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Copying a Draw File

There are two different ways to copy a draw file. You can create an exact copy of an existing file, retaining its draw file type, or you can copy the contents of an existing file and save it as a different file type (for example, convert a road layer to a draw layer).

To Copy a Draw File

Use the following steps to copy a draw file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
3. Click to select the file that you want to copy.
4. Click **Copy To**.
   A shortcut menu displays the available layer types; Road, Waypoint, and Track.
   Note If a layer type is not available in the shortcut menu, it is because the

original draw file that you are copying does not contain data that is pertinent to that file type. For example, you cannot copy a draw layer that contains area objects (such as circles) to a road layer that requires line objects.

5. If you want to create an exact copy of the original file, select the layer type that matches the original file.
   A new file is created and inserted into the table.
   OR
   If you want to copy the file and save it as a different layer type, select the option you want.
   A new file is created and inserted into the table.

Tip You can also change a draw object type using the right-click feature. For more information, see Changing Draw Object Types in this section.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Changing Draw Object Types

When you add a draw object to the map, a draw file is automatically created that includes that object. The draw file type varies depending on the draw object that was created:

Draw Object Type	Draw File Type
Routable Road	Road Layer
Waypoint	Waypoint Layer
Track	Track Layer
Area Object (Polygon, Circle, Rectangle)	Draw Layer
Point Object (MapNote, Text Label, Symbol, Image)	
Line Object (Line, Arc, Spline)	

You can right-click a draw object on the map and change it to a road, track, waypoint, or draw layer, depending on the type of draw object you selected. When the draw file type is changed, the original draw file is maintained and a copy is made and switched to the new draw file type, leaving you with two files: the original draw file and the copied draw file, which has a new draw file type.

To Change a Draw Object

Use the following steps to change a draw object type.

1. Use the **Draw** tab to place a draw object on the map.
2. To change a track or line to a road layer, right-click the object on the map, point to **Manage Draw**, and then click **Copy to Active Road Layer**.
   OR
   To change a routable road to a track layer, right-click the object on the map, point to **Manage Draw**, and then click **Copy to Active Track Layer**.
   OR
   To change a routable road, waypoint, or track to a draw layer, right-click the object on the map, point to **Manage Draw**, point to **Copy to Draw Object**, and then click the object to copy to.
   OR
   To create a copy of an existing area object, point object, or line object, right-click the object on the map, point to **Manage Draw**, point to **Copy to Draw Object**, and then click the object to copy to.
   OR
   To change a track to a GPS log, right-click the track on the map, point to **Manage Draw**, and click **Copy Track to GPS Log**.
   OR
   To change a symbol to a waypoint, right-click the symbol on the map, point to **Manage Draw**, and click **Copy Symbol to Waypoint**.

Tip You can also change a draw file type using the File section of the Draw tab. For more information, see Copying a Draw File in this section.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Renaming a Draw File

Once you create a draw file, you can rename it in the draw file list or on the map.

To Rename a Draw File

Use the following steps to rename a draw file.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
   All the files you have created display in a table. A draw file with a selected check box displays on the map.

3. Right-click the draw file and click **Rename**.
   The file name area activates.
   OR
   Click within the file name cell once. Then, click it again (do not double click).
   The file name area activates.
4. Type the new file name in the cell and press the ENTER key on your keyboard.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Copying a Draw Object From One Draw File to Another

You can copy draw objects from one draw file to another using the right-click feature in the draw file list. Copying retains the draw object in the original draw file while placing a copy of it in a selected draw file. If you want to move a draw object to another draw file, see Moving a Draw Object to a Different Draw File in this section.

To Copy a Draw Object to a Different Draw File

Use the following steps to copy a draw object.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
   All the files you created display in a table. A draw file with a selected check box displays on the map.
3. Click to select the file that includes the contents you want to copy.
4. Click **More**.
   The tab area increases in height and the file details table displays. The information that displays in the table is dependent on the file type that is selected.
5. Right-click the draw object that you want to copy to another draw file, point to **Copy To**, and then click the draw file you want to copy the object to.
   The draw object remains in the original draw file and is copied to the selected draw file.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Moving a Draw Object to a Different Draw File

You can move a draw object to a different draw file using the right-click feature in the draw file list. In order to move a draw object to another draw file, a secondary, compatible draw file must exist.

Moving a draw object removes it from the current draw file. If you do not want to remove it, but copy it to another draw file, see Copying a Draw Object from One Draw File to Another in this section.

To Move a Draw Object to a Different Draw File

Use the following steps to move a draw object.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
   All the files you have created display in a table. A draw file with a selected check box displays on the map.
3. Click to select the file that includes the contents you want to copy.
4. Click **More**. The tab area increases in height and the file details table displays. The information that displays in the table is dependent on the file type that is selected.
5. Right-click the draw object you want to move, point to **Move To**, and then click the draw file you want to copy the object to — all compatible draw files display in the Move To shortcut list.
   The draw object is moved to the new destination.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Using Draw Objects

Copying and Placing Draw Objects

You can copy any draw object you place on the map.

To Copy Draw Objects

Use the following steps to copy draw objects.

1. Open the map file that contains the draw object you want to copy.
2. Click the **Draw** tab.
3. To copy a single draw object, click the **Select** tool and then click the draw object on the map. A box displays around the active object.
   OR
   To copy multiple draw objects, click the **Select** tool and then drag a box over the draw objects you want to copy.
4. To copy, press the CTRL+C keys on your keyboard.
5. To paste, press CTRL+V on your keyboard. The newly copied object is placed directly **on top of** the original (copied) object.
6. To move the copied object, use the table below.

If the draw object is a...	**Then...**
Routable Road, Track, Line, Arc, Spline, Polygon, Rectangle, Circle, or MapNote	Press and hold the SHIFT key on your keyboard and drag the object to the new location.
Symbol or Text	Drag the object to the new location.

Tips

- To undo the move of the pasted draw object, click the **Undo** button to undo the last action. If you decide not to undo the last action, click the **Redo** button .
- If you undo the first move of the pasted object, the object is placed back on top of the original (copied) object.
- To copy and move a single object, select the draw object you want to copy, press the CTRL key on your keyboard, and drag the draw object to the new location.
- If the item you copied does not successfully paste, it may be because you clicked out of the map display. To focus the cursor back on the map, click inside the map display. Then, try pasting again.

Moving Draw Objects

You can move any draw object you place on the map using the Draw tab from one location to another.

To Move Draw Objects

Use the following steps to move draw objects.

1. Open the map file that contains the object you want to move.
2. Click the **Draw** tab.
3. Click the **Select** tool and click the draw object you want to move. A box displays around the active object.

   You can move Draw objects in different ways:

If the object is a(n)...	Then...
Routable Road, Track, Line, Arc, Spline, Polygon, Rectangle, or Circle	Press and hold the SHIFT key on your keyboard and drag the object to the new location. OR Press the arrow keys on your keyboard to move the object up, down, right, or left.
Symbol or Text	Press the arrow keys on your keyboard to move the object up, down, right, or left. OR Drag it to the new location.
MapNote	To move the entire MapNote, press and hold the SHIFT key on your keyboard and drag the object to the new location, or position your cursor between the MapNote text and the anchor and drag the entire MapNote to the desired location. OR To move the MapNote's anchor, drag the MapNote's anchor to the new location. OR To move the MapNote's text, drag the MapNote's text to the desired location.

Tip To undo a draw object move, click the **Undo** button to undo the last action. If you decide not to undo the last action, click the **Redo** button .

Notes You can also move draw objects or their points by typing a new coordinate or distance and bearing/angle number within the corresponding text boxes.

- Type new coordinates and click **Apply** to move circles, symbols, text, and MapNotes. The whole object moves to the entered location. If you change the distance and bearing numbers, the object moves in relationship to the object's last location.
- Type new coordinates and click **Apply** to move individual end points (small red circles) in line segments in routable roads, lines, splines, polygons, rectangles, and arcs. If you change the distance and bearing numbers of the individual points (not recommended for rectangles), the end point's distance and bearing/angle change in relationship to the start point of the segment.

Renaming a Draw Object

Once you create a draw object, you can rename it in the draw file list or on the map.

To Rename a Draw Object in the File List

Note This option is available only with regular Street Atlas USA with Advanced File Management or Street Atlas USA Plus.

Use the following steps to rename a draw object in the file list.

1. Click the **Draw** tab.
2. Click **File** to open the draw file editing area.
   All the files you have created display in a table. Any draw file with a selected check box displays on the map.
3. Click to select the file that includes the draw object you want to rename.
4. Click **More**.
   The tab area increases in height and the file details table displays. The information that displays in the table is dependent on the file type that is selected.
5. Right-click the draw object and select **Rename**.
   OR
   Click within the file name cell once. Then, click it again (do not double click).
6. The file name area activates. Type the file name and press the ENTER key on your keyboard.

To Rename a Draw Object on the Map

Use the following steps to rename a draw object on the map.

1. Open the map file that contains the draw object you want to rename.
2. Right-click the waypoint, point to **Manage Draw** and click **Edit Draw Object Text**. The waypoint text box opens.
   Note If you have more than one waypoint close together, you may have to select from a list.
   OR
   Click the **Select** tool , click the waypoint, and click the waypoint again (do not double-click). The waypoint text box opens.

3. Type the new name in the box and press ENTER on your keyboard OR click away from the box.

Deleting Draw Objects

Once you place a draw object on a draw file, you can delete the object. You can also delete multiple or all draw objects in the active draw file.

To Delete One Draw Object

Use the following steps to delete a draw object.

1. Open the existing map file that contains the draw object you want to delete.
2. Click the **Draw** tab.
3. Click the **Select** tool and then click the draw object on the map to select it. A box displays around the selected object.
4. Click **Delete** in the Draw dialog area.
   OR
   Press the DELETE key on your keyboard.
   OR
   Right-click the object and then select **Manage Draw / Delete Draw Object**.

Tip To bring back the last draw object you deleted, click the **Undo** button to undo the last action. You can undo approximately 200 events in a single map file.

Note You can also delete a draw object using the right-click feature in the draw file list. Click the **File** button in the Draw tab, click to select the Draw File that contains the object you want to delete, click **More**, right-click the object, and then click **Delete**.

To Delete Multiple Draw Objects

Use the following steps to delete several draw objects.

1. Click the **Draw** tab.
2. To select multiple draw objects, click the **Select** tool , click the first draw object on the map to select it, and then press and hold the SHIFT key on your keyboard while clicking each additional draw object you want to delete. A box displays around each selected object.
   OR
   To select multiple draw objects, click the **Select** tool , drag a box over the draw objects you want to delete.
3. Click the **Delete** button in the Draw dialog area.
   OR
   Press the DELETE key on your keyboard.
   OR
   Right-click the object and then click **Manage Draw / Delete Draw Object**.

   A message box displays asking if you want to delete the draw objects from the current file.

- If you click **Yes**, all selected draw objects in the file are deleted. You cannot undo this action.
- If you click **No**, no objects are cleared from the file.

To Delete All Draw Objects

To delete all draw objects from an unsaved draw file, click a draw object icon that represents the draw file you want to clear (for example, if you want to clear a RoadLayer, click the Routable Roads icon) and then click **Clear All**. A message box displays asking if you want to clear all draw objects from the current file.

- If you click **Yes**, all draw objects in the file are cleared. You cannot undo this action.
- If you click **No**, no objects are cleared from the file.

Snapping Draw Objects

You can snap any draw object to the exact coordinates of a point in another draw object. You can also snap the central shape point of an arc to another object.

To Snap a Draw Object to the Coordinates of Another Object

Use the following steps to snap a draw object to the coordinates of another draw object.

1. Click the **Draw** tab.
2. Click the **Select** tool and then click the draw object on the map. A box displays around the active object. Shape points display as small, magenta squares.
3. Select an end point from any of the line segments within the draw object. It displays as a red or green circle.
4. Drag the point to:
   - Any other shape point within a line, spline, polygon, arc, or rectangle.
   - The center point of a circle.
   - The anchor of a symbol.
   - The base point of a text label.
   - The text box anchor point of a MapNote.

   When you drag your shape point over a point on the draw object, a yellow diamond defines the snap point . Release the point you dragged when the snap point displays. The active draw object is then snapped to the other object's point coordinate.

Tip To undo a draw object snap, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

Notes

- Do not snap one end point of an arc to the other end point in the same arc.
- To turn the snapping feature off, press the ALT key on the keyboard while dragging the draw object.

To Snap the Central Shape Point of an Arc to Another Object

Use the following steps to snap the central shape point of the arc to another object.

1. Click the **Draw** tab.
2. Click the **Select** tool and then click the arc on the map.
   A box displays around the active object. Shape points display as small, magenta squares.
3. While pressing the SHIFT key on the keyboard, drag the center point of the arc line over a point on the draw object until the snap point (the yellow diamond) displays.
4. Release the arc. It is snapped to the other object's point coordinate.

Adding Points to Draw Objects

You can add points to routable road, line, spline, and polygon draw objects to change the shape of the object.

To Add Points to Draw Objects

Use the following steps to add points to routable roads, lines, splines, and polygons.

1. In the Draw tab, click the **Select** tool , and then click the draw object you want to edit.
   A box displays around the line indicating it is active. The shape points of the draw objects display as small, magenta squares.
2. Click the line between two shape points in the object and drag.
   A new point is created, as well as a new line segment within the object. The new segment displays with its first and last end points, as well as a text box indicating the new point's bearing or angle, length of the new segment (leg), and total object's length on the map.

Tip To undo the addition of the point to the draw object, click the **Undo** button to undo the last action. If you decide not to undo the last action, click the **Redo** button .

Deleting Points and Line Segments from Draw Objects

You can delete points from routable road, track, line, spline, and polygon draw objects to change the shape of the object.

To Delete Points and Line Segments from Draw Objects

Use the following steps to delete points and line segments from draw objects.

1. Click the **Draw** tab.
2. Click the **Select** tool and click the draw object you want to edit.
   A box displays around the line indicating it is active. The shape points of the linear objects display as small, magenta squares.
3. Select the shape point.
   The point displays as either a green or red end point depending upon the line segment it is associated with.

4. Click **Delete** in the Draw display area.
   OR
   Press the DELETE key on your keyboard.
   The point is deleted, as well as the line segment within the draw object that was associated with that point.

Tip To undo the addition of the point to the draw object, click the **Undo** button to undo the last action. If you decide not to undo the last action, click the **Redo** button.

Labeling a Draw Object

You can label any draw object. Once you label a draw object, you can search for it using the QuickSearch function in the Find tab or by typing the draw object label in any of the routing fields in the Route tab.

To Label a Draw Object

See the labeling procedures below for each of the draw objects.

For this Draw Object...	Use this labeling procedure...
Routable Roads	Type the name of the street in the text box available in the Draw dialog area.
Arcs Circles Lines Polygons Rectangles Splines Tracks Waypoints	1. Place the object on the map. 2. Using the **Select** tool, click the draw object once. A gray box displays around the draw object. 3. Click the draw object again. A text box displays. 4. Type the label name in the text box and then press the ENTER key on your keyboard.
Images MapNotes Symbols Text Labels Waypoints	1. Place the object on the map. The URL/Label text box displays. 2. Type the label for your draw object in the **Label** section of the text box. **Note** When viewing a hyperlinked draw object on the map, the object displays as an active hyperlink. If you want to click the object without opening the hyperlink, press the CTRL key on your keyboard while you click the draw object.

Routable Roads, Trails, Tracks, Lines, Arcs , and Splines

Drawing Routable Roads on the Map

The Routable Road tool allows you to add a new road to a draw layer in the current map file. You can then incorporate any new roads you add to a route when you create a route. You must be at data zoom level 11-0 or greater when adding roads with the Routable Road tool.

To Draw Routable Roads

Use the following steps to add routable roads to a road layer.

1. Click the **Draw** tab.
2. Click the **Routable Road** tool .
3. Type the name of the road you want to add in the **Road Name** text box. Name each routable road you add so you can locate it using the find feature.
4. Hover the mouse pointer over existing roads to display the yellow diamond symbol . The yellow diamond symbol indicates where on an existing road the point for your new road will connect (connection point).
   Notes
   - The new road must connect to an existing non-limited access road for routing to occur on the new road.
   - Each time you intersect an existing road, hover the mouse over the road to display the yellow diamond symbol and click to create a connection point before continuing to draw. If you draw the line over the road without creating a connection point, routing cannot occur along the intersection.
5. Once you locate the connection point for your new road, click the map to place the first point. Click point-to-point or drag to add the new road to the draw layer.
   The following information is available as you add each point in your road:
   - The coordinates of each point display in the corresponding text boxes.
   - The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.
6. To finish the line draw for the new road, enter the last point on the map screen and click **Done**.
   The new road displays on the map with the name you typed in the Road Name text box.
   You can also finish the line draw by pressing the ENTER key on your keyboard or double-clicking while entering the last point of the line.

Drawing a Line, Arc, or Spline on the Map

You can add lines, arcs, and splines to a draw file and adjust their line style, color, width, and display them with map line features.

- Use **lines** to mark boundaries or to add railroads or utility lines. You can draw lines with varied line styles, weights, and colors, including lines that reflect actual map line types.
- Use **arcs** to add curved line features to a draw file. You can draw arcs with varied line styles, weights, and colors, including lines that reflect actual map line types.
  Note An arc is created by entering only three points on the map. The first and second points determine the distance of the first arc base from the last arc base. The third point, placed between the first two, determines the radius of the arc and fixes the arc in place.
- Use **splines** to add map features that contain curves. You can draw splines with varied line colors, weights, and styles, including lines that reflect actual map line types.
  Note As you draw a spline, points are entered in much the same way as those entered when creating a line. The difference between a line and a spline is that when you enter each point, the line segment between the points curves instead of staying straight.

To Draw a Line, Arc, or Spline

Use the following steps to draw a line/arc/spline.

1. Click the **Draw** tab.
2. Click and hold the **Line/Arc/Spline** tool and select the tool you want.
3. Select a line/arc/spline style from the **Style** drop-down list.
4. Click the color button next to the **Style** drop-down list to select a line/arc/spline color.
5. If available, select a line/arc/spline width from the **Width** drop-down list.
6. If available, select the **Highlight** check box to make your line/arc/spline appear translucent on the map.
7. Select the **Show Measurement** check box to display information about the points on the map as you draw the line/arc/spline.
   As you add each point, a text box displays next to your pointer indicating the bearing or angle, leg (line segment) length, and total length of the line/arc/spline on the map. Labels display when end points are clicked if the Show Measurement check box is selected.
8. To draw a line or spline, click the map to designate the start and end points of each line segment.
   You can also drag your cursor on the map to draw a squiggly line.
   OR
   To draw an arc, click the map to designate the start and end points of the arc.
   - The coordinates of each point display in the corresponding text boxes to the right of the line options.

- The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.

9. To finish the line/arc/spline, click the last point on the map screen and then click **Done**.
   OR
   Click the last point on the map screen and press the ENTER key on your keyboard.
   OR
   Double-click the last point of the line/arc/spline.

Drawing a Track on the Map

You can add tracks to the map and adjust their line style, color, width, and display them with map line features.

To Draw a Track

Use the following steps to draw a track.

1. Click the **Draw** tab.
2. Click and hold the **Track/Waypoint** tool and select the **Track** tool .
3. Select a track style from the **Style** drop-down list.
4. Click the color button next to the Style drop-down list to select a track color.
5. Select a track width from the **Width** drop-down list.
6. Select the **Highlight** check box to make your track appear translucent on the map.
7. Select the **Show Measurement** check box to display information about the points on the map as you draw the track.
   As you add each point, a text box displays next to your pointer indicating the bearing or angle, leg (line segment) length, and total length of the track on the map. Labels display when end points are clicked if the Show Measurement check box is selected.
8. Click the map to designate the start and end points of each line segment. You can also drag your cursor on the map to draw a squiggly line.
   - The coordinates of each point display in the corresponding text boxes to the right of the line options.
   - The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.
9. To finish the track, click the last point on the map screen and then click **Done**.
   OR
   Click the last point on the map screen and press the ENTER key on your keyboard.
   OR
   Double-click the last point of the track.

Tip To get information about a track, right-click it on the map and click Info in the shortcut menu. The Info tab opens with information about the track.

Editing a Routable Road, Line, Arc, or Spline

Once you create a line object (routable road, line, arc, or spline) you can edit (including reshaping or changing line color or width), copy, move, or delete it at any time.

To Edit a Line Object

Use the following steps to edit the shape of a routable road, line, arc, or spline.

1. Open the map file containing the draw layer with the line object you want to edit.
2. Click the **Draw** tab.
3. If the line object you want to edit is not active, click **File** and activate the draw file in the file list. Then, click **Done**.
4. Click the **Select** tool and then click the line object you want to edit.
   - A box displays around the selected line.
   - The shape points used to create the line object display as small, magenta squares.
5. Perform any of the following edits to the line object:
   - To edit any label on the line object, select it twice, then type the label in the text box that displays next to the line object.
     OR
     Select the line object and edit its label.
   - Reshape the line object by dragging any of its points to a new location. When you select a shape point of a line segment within an active line object:
     - A small green circle indicates the start end point of the selected line segment.
     - A small red circle indicates the last end point of the selected line segment.
   - Select the **Coordinate** or the **Distance and Bearing/Angle** option and edit the numbers. Click **Apply** to initiate the changes.
     Note You can display either bearing or distance by clicking the drop-down arrow next to the **Bearing** or **Angle** text located below the distance text in the **Distance and Bearing/Angle** option.
6. Click **Done** to finish your edit.
   OR
   Press the ENTER key on your keyboard.
   OR
   Click outside the object's active box on the map.

Editing a Track

Once you download a track from a GPS receiver, you can edit (including reshaping or changing line color or width), copy, move, or delete it at any time.

To Edit a Track

Use the following steps to edit a track.

1. Open the map file containing the draw file with the track you want to edit.
2. Click the **Draw** tab.
3. If the track you want to edit is not in the active draw file, click **File** and select the draw file from the draw file dialog area. Then, click **Done**.
4. Click the **Select** tool and click the track you want to edit.
    - A box displays around the selected track.
    - The shape points used to create the line display as small, magenta squares.
5. Change any of the track style, color, or weight options of the existing track.
    - To edit any label on a track, click the **Select** tool, select the line twice, then type the label in the text box that displays next to the track.
    - Reshape the track by dragging any of the points in the line to a new location. When you select a shape point of a line segment within an active line:
        - A small green circle indicates the start end point of the selected track segment.
        - A small red circle indicates the last end point of the selected track segment.
    - Select the **Coordinate** or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.
6. Click **Done** to finish your edit.
   OR
   Press the ENTER key on your keyboard.
   OR
   Click outside the object's active box on the map.

Placing a Routable Road, Line, Arc, or Spline at a Specific Location

You can place any line object (routable road, line, arc, or spline) at a specific coordinate location.

To Place a Line Object at a Specific Location

Use the following steps to place your line object at a specific coordinate location.

1. Click the **Draw** tab.
2. To place a routable road, click and hold the **Routable Road** tool .
   OR
   To place a line/arc/spline, click and hold the **Line/Arc/Spline** tool

and select the tool you want. Then, select the line, style, width (if available), and color for your line/arc/spline.

3. Select the **Coordinate** option, or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and enter the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box.
   Note If you are placing an arc, enter new numbers into the Distance and Bearing/Angle text boxes for the two base points of the arc only. When the central shape point of the arc is selected, the text options change from Distance and Bearing/Angle to Radius and Direction. Enter the appropriate radius number and direction to change the radius for this point.
4. Click **Apply** and repeat the procedure for the second point.
   The line object displays on the map at those coordinates, distance, and bearing or angle.
   OR
   After placing the first point coordinate, move your pointer to the map screen and place the other points by hand by clicking on the screen.
5. To place additional points, lines, or other draw objects on the map in reference to the first line, enter a specific distance and bearing into the corresponding text boxes and click **Apply**.

Joining and Breaking Linear Objects

You can join two or more routable roads, tracks, lines, arcs, or splines into a single entity. You can also break routable roads, tracks, lines, or splines. You cannot break arcs.

To Join

Use the following steps to join linear objects.

1. Click the **Draw** tab.
2. Click the **Select** tool , press and hold the SHIFT key on the keyboard, and select any lines, arcs, or splines you want to join.
   OR
   Click the **Select** tool and drag a box around the linear objects you want to join.
   Note When joining the preceding types of line objects, you can mix and match lines, arcs, and splines. The result is always a line. However, when you join multiple splines, the resulting joined object is a spline.
3. Right-click, point to **Manage Draw**, and then click **Join Lines.**
   OR
   Join the lines by pressing CTRL+J or the keyboard shortcut combination you assigned for the joining function.
   The selected lines are joined.
   Note Any other objects selected during the multi-select process are ignored.

To Break

Use the following steps to break linear objects.

1. Click the **Draw** tab.
2. Click the **Select** tool and select the line object you want to break.
   - A box displays around the active line.
   - The shape points used to create the line display as small, magenta squares.
3. Click the shape point where you want to break the line, right-click, point to **Manage Draw**, and then click **Break Line.**
   OR
   Break the line by pressing CTRL+B or the keyboard shortcut combination you assigned for the breaking function.
   The line is broken into two segments at the designated point and you can edit each line separately.
   Note It is important that you perform steps 2 and 3 consecutively. If you pan the map, use another tab, and so on between steps, you may need to repeat the steps again to break your linear object.

Routable Roads, Tracks, Lines, Arcs, and Splines

Drawing Routable Roads on the Map

The Routable Road tool allows you to add a new road to a draw layer in the current map file. You can then incorporate any new roads you add to a route when you create a route. You must be at data zoom level 11-0 or greater when adding roads with the Routable Road tool.

To Draw Routable Roads

Use the following steps to add routable roads to a road layer.

1. Click the **Draw** tab.
2. Click the **Routable Road** tool .
3. Type the name of the road you want to add in the **Road Name** text box. Name each routable road you add so you can locate it using the find feature.
4. Hover the mouse pointer over existing roads to display the yellow diamond symbol . The yellow diamond symbol indicates where on an existing road the point for your new road will connect (connection point).
   Notes
   - The new road must connect to an existing non-limited access road for routing to occur on the new road.
   - Each time you intersect an existing road, hover the mouse over the road to display the yellow diamond symbol and click to create a connection point before continuing to draw. If you draw the line over the road without creating a connection point, routing cannot occur along the intersection.
5. Once you locate the connection point for your new road, click the map to place the first point. Click point-to-point or drag to add the new road to the

draw layer.
The following information is available as you add each point in your road:

- The coordinates of each point display in the corresponding text boxes.
- The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.

6. To finish the line draw for the new road, enter the last point on the map screen and click **Done**.
   The new road displays on the map with the name you typed in the Road Name text box.
   You can also finish the line draw by pressing the ENTER key on your keyboard or double-clicking while entering the last point of the line.

Drawing a Line, Arc, or Spline on the Map

You can add lines, arcs, and splines to a draw file and adjust their line style, color, width, and display them with map line features.

- Use **lines** to mark boundaries or to add railroads or utility lines. You can draw lines with varied line styles, weights, and colors, including lines that reflect actual map line types.
- Use **arcs** to add curved line features to a draw file. You can draw arcs with varied line styles, weights, and colors, including lines that reflect actual map line types.
  Note An arc is created by entering only three points on the map. The first and second points determine the distance of the first arc base from the last arc base. The third point, placed between the first two, determines the radius of the arc and fixes the arc in place.
- Use **splines** to add map features that contain curves. You can draw splines with varied line colors, weights, and styles, including lines that reflect actual map line types.
  Note As you draw a spline, points are entered in much the same way as those entered when creating a line. The difference between a line and a spline is that when you enter each point, the line segment between the points curves instead of staying straight.

To Draw a Line, Arc, or Spline

Use the following steps to draw a line/arc/spline.

1. Click the **Draw** tab.
2. Click and hold the **Line/Arc/Spline** tool and select the tool you want.
3. Select a line/arc/spline style from the **Style** drop-down list.
4. Click the color button next to the **Style** drop-down list to select a line/arc/spline color.
5. If available, select a line/arc/spline width from the **Width** drop-down list.
6. If available, select the **Highlight** check box to make your line/arc/spline appear translucent on the map.
7. Select the **Show Measurement** check box to display information about the points on the map as you draw the line/arc/spline.

As you add each point, a text box displays next to your pointer indicating the bearing or angle, leg (line segment) length, and total length of the line/arc/spline on the map. Labels display when end points are clicked if the Show Measurement check box is selected.

8. To draw a line or spline, click the map to designate the start and end points of each line segment.
   You can also drag your cursor on the map to draw a squiggly line.
   OR
   To draw an arc, click the map to designate the start and end points of the arc.
   - The coordinates of each point display in the corresponding text boxes to the right of the line options.
   - The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.
9. To finish the line/arc/spline, click the last point on the map screen and then click **Done**.
   OR
   Click the last point on the map screen and press the ENTER key on your keyboard.
   OR
   Double-click the last point of the line/arc/spline.

Drawing a Track on the Map

You can add tracks to the map and adjust their line style, color, width, and display them with map line features.

To Draw a Track

Use the following steps to draw a track.

1. Click the **Draw** tab.
2. Click and hold the **Track / Waypoint** tool and select the **Track** tool .
3. Select a track style from the **Style** drop-down list.
4. Click the color button next to the Style drop-down list to select a track color.
5. Select a track width from the **Width** drop-down list.
6. Select the **Highlight** check box to make your track appear translucent on the map.
7. Select the **Show Measurement** check box to display information about the points on the map as you draw the track.
   As you add each point, a text box displays next to your pointer indicating the bearing or angle, leg (line segment) length, and total length of the track on the map. Labels display when end points are clicked if the Show Measurement check box is selected.
8. Click the map to designate the start and end points of each line segment.
   You can also drag your cursor on the map to draw a squiggly line.
   - The coordinates of each point display in the corresponding text boxes to the right of the line options.

- The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.

9. To finish the track, click the last point on the map screen and then click **Done**.
   OR
   Click the last point on the map screen and press the ENTER key on your keyboard.
   OR
   Double-click the last point of the track.

Tip To get information about a track, right-click it on the map and click Info in the shortcut menu. The Info tab opens with information about the track.

Editing a Routable Road, Line, Arc, or Spline

Once you create a line object (routable road, line, arc, or spline) you can edit (including reshaping or changing line color or width), copy, move, or delete it at any time.

To Edit a Line Object

Use the following steps to edit the shape of a routable road, line, arc, or spline.

1. Open the map file containing the draw layer with the line object you want to edit.
2. Click the **Draw** tab.
3. If the line object you want to edit is not active, click **File** and activate the draw file in the file list. Then, click **Done**.
4. Click the **Select** tool and then click the line object you want to edit.
   - A box displays around the selected line.
   - The shape points used to create the line object display as small, magenta squares.
5. Perform any of the following edits to the line object:
   - To edit any label on the line object, select it twice, then type the label in the text box that displays next to the line object.
     OR
     Select the line object and edit its label.
   - Reshape the line object by dragging any of its points to a new location. When you select a shape point of a line segment within an active line object:
     - A small green circle indicates the start end point of the selected line segment.
     - A small red circle indicates the last end point of the selected line segment.
   - Select the **Coordinate** or the **Distance and Bearing/Angle** option and edit the numbers. Click **Apply** to initiate the changes.
     Note You can display either bearing or distance by clicking the drop-down arrow next to the **Bearing** or **Angle** text located below the distance text in the **Distance and Bearing/Angle** option.

6. Click **Done** to finish your edit.
   OR
   Press the ENTER key on your keyboard.
   OR
   Click outside the object's active box on the map.

Editing a Track

Once you download a track from a GPS receiver, you can edit (including reshaping or changing line color or width), copy, move, or delete it at any time.

To Edit a Track

Use the following steps to edit a track.

1. Open the map file containing the draw file with the track you want to edit.
2. Click the **Draw** tab.
3. If the track you want to edit is not in the active draw file, click **File** and select the draw file from the draw file dialog area. Then, click **Done**.
4. Click the **Select** tool and click the track you want to edit.
   - A box displays around the selected track.
   - The shape points used to create the line display as small, magenta squares.
5. Change any of the track style, color, or weight options of the existing track.
   - To edit any label on a track, click the **Select** tool, select the line twice, then type the label in the text box that displays next to the track.
   - Reshape the track by dragging any of the points in the line to a new location. When you select a shape point of a line segment within an active line:
     - A small green circle indicates the start end point of the selected track segment.
     - A small red circle indicates the last end point of the selected track segment.
   - Select the **Coordinate** or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.
6. Click **Done** to finish your edit.
   OR
   Press the ENTER key on your keyboard.
   OR
   Click outside the object's active box on the map.

Placing a Routable Road, Line, Arc, or Spline at a Specific Location

You can place any line object (routable road, line, arc, or spline) at a specific coordinate location.

To Place a Line Object at a Specific Location

Use the following steps to place your line object at a specific coordinate location.

1. Click the **Draw** tab.
2. To place a routable road, click and hold the **Routable Road** tool .
   OR
   To place a line/arc/spline, click and hold the **Line / Arc / Spline** tool and select the tool you want. Then, select the line, style, width (if available), and color for your line/arc/spline.
3. Select the **Coordinate** option, or use the **Distance and Bearing / Angle** option in conjunction with the Coordinate option, and enter the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box.
   Note If you are placing an arc, enter new numbers into the Distance and Bearing/Angle text boxes for the two base points of the arc only. When the central shape point of the arc is selected, the text options change from Distance and Bearing/Angle to Radius and Direction. Enter the appropriate radius number and direction to change the radius for this point.
4. Click **Apply** and repeat the procedure for the second point.
   The line object displays on the map at those coordinates, distance, and bearing or angle.
   OR
   After placing the first point coordinate, move your pointer to the map screen and place the other points by hand by clicking on the screen.
5. To place additional points, lines, or other draw objects on the map in reference to the first line, enter a specific distance and bearing into the corresponding text boxes and click **Apply**.

Joining and Breaking Linear Objects

You can join two or more routable roads, tracks, lines, arcs, or splines into a single entity. You can also break routable roads, tracks, lines, or splines. You cannot break arcs.

To Join

Use the following steps to join linear objects.

1. Click the **Draw** tab.
2. Click the **Select** tool , press and hold the SHIFT key on the keyboard, and select any lines, arcs, or splines you want to join.
   OR
   Click the **Select** tool and drag a box around the linear objects you want

to join.
Note When joining the preceding types of line objects, you can mix and match lines, arcs, and splines. The result is always a line. However, when you join multiple splines, the resulting joined object is a spline.

3. Right-click, point to **Manage Draw**, and then click **Join Lines.**
   OR
   Join the lines by pressing CTRL+J or the keyboard shortcut combination you assigned for the joining function.
   The selected lines are joined.
   Note Any other objects selected during the multi-select process are ignored.

To Break

Use the following steps to break linear objects.

1. Click the **Draw** tab.
2. Click the **Select** tool and select the line object you want to break.
   - A box displays around the active line.
   - The shape points used to create the line display as small, magenta squares.
3. Click the shape point where you want to break the line, right-click, point to **Manage Draw**, and then click **Break Line.**
   OR
   Break the line by pressing CTRL+B or the keyboard shortcut combination you assigned for the breaking function.
   The line is broken into two segments at the designated point and you can edit each line separately.
   Note It is important that you perform steps 2 and 3 consecutively. If you pan the map, use another tab, and so on between steps, you may need to repeat the steps again to break your linear object.

Circles, Rectangles, and Polygons

Drawing a Circle, Rectangle, or Polygon on the Map

You can add area objects (circles, rectangles, and polygons) to a draw file in your current map file. Area objects are those objects consisting of one or more closed line objects.

- Use **circles** to designate circular map features.
- Use **rectangles** to designate land boundaries or any other rectangular map feature.
- Use **polygons** to designate water bodies, land boundaries, or any other irregular map feature.

Once you have created an area draw object, you can edit (including reshaping or changing line color or weight), copy, move, or delete it at any time.

Note The best way to measure a large area on the map is with the circle, rectangle, and polygon tools in the Draw tab. When you draw an area object on the map, the area displays next to the object on the map. If you click off of the object, you can view the area again by clicking the **Select** tool in the Draw tab and then clicking the area object on the map.

To Draw a Circle, Rectangle, or Polygon

Use the following steps to add circles, rectangles, or polygons to the map.

1. Click the **Draw** tab.
2. Click and hold the **Polygon/Rectangle/Circle** tool to view its hidden options. Select the tool you want.
3. From the **Fill** drop-down list, select the fill style you want to apply to the area object.
4. Click the **Fill Color** button to the right of the **Fill** drop-down list to select the color for your fill style.
5. Select an outline style for your circle from the **Outline** drop-down list.
6. Click the outline color button to select a color for the outline of your area object.
7. Select the width for your area object outline from the **Width** drop-down list.
8. Select the **Show Measurement** check box to display area (and radius information for circles) on the map as you draw the object.
9. To draw a **circle**, click the location for the circle's center on the map and drag away from center to set the radius for the circle. Release as soon as you achieve the radius you want. The radius of the circle and the coordinates of the circle's center display in the corresponding text boxes to the right of the circle fill option area.
   OR
   To draw a **rectangle**, click the location for the rectangle's upper-left corner on the map and drag away from the corner to set the width, height, and area for the rectangle. Release as soon as you achieve the size you want. The coordinates of the upper-left corner point display in the corresponding text boxes to the right of the fill options. The distance and bearing/angle of the final corner point from the first corner point display in the corresponding text boxes to the right of the fill options.
   OR
   To draw a **polygon**, click the map to enter each point of the polygon. The coordinates of each point display in the corresponding text boxes to the right of the fill options. The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes. Labels display when end points are clicked if the Show Measurement check box is selected.
10. Click the **Select** tool and then click the area object on the map.
    A box displays around the object indicating that it is active.
11. Click the object again. A text box displays. Type the label in the text box and press the ENTER key on your keyboard.

Editing a Circle, Rectangle, or Polygon

Once you have created an area draw object, you can edit (including reshaping or changing line color or weight), copy, move, or delete at any time.

To Edit a Circle, Rectangle, or Polygon

Use the following steps to edit an area draw object.

1. Open the map file containing the draw file with the area object you want to edit.
2. Click the **Draw** tab.
3. If the object you want to edit is not in the active draw file, click **File** and select the draw file from the draw file dialog area. Then, click **Done**. The Draw dialog area displays.
4. Click the **Select** tool and then click the object on the map.
   A box displays around the object indicating that it is active.
   OR
   To edit multiple objects, click the **Select** tool and then drag a box around the objects that you want to edit.
5. Change the object's fill, outline, and/or width option.
   OR
   If you selected a single circle, drag one of the magenta squares around the circle to change the circle's size. The center of the circle remains in its original location.
   OR
   If you selected a single rectangle, click one of the corner points of the rectangle and drag to change its width, height, and area on the map.
   OR
   If you selected a single polygon, click one of the shape points of the polygon and drag to change its bearing or angle, the leg length, and polygon area on the map. Reshape the polygon by dragging any of the points in the polygon to a new location. When you select a shape point of a line segment within an active polygon, a small green circle indicates the start end point of the selected line segment and a small red circle indicates the last end point of the selected line segment. Select the **Coordinate** option or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.
   Notes You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the Distance and Bearing/Angle option. You can also delete points and line segments from or add points to a polygon.
6. Press the ENTER key on your keyboard to finish your edit.
   OR
   Click outside the object's active box on the map.

Placing a Circle, Rectangle, or Polygon on the Map

You can place any area object (circle, rectangle, or polygon) at a specific coordinate location.

To Place an Area Object on the Map

Use the following steps to place a circle, rectangle, or polygon on the map.

1. Click the **Draw** tab.
2. Click and hold the **Polygon / Rectangle / Circle** tool and select the tool you want.
3. Select the circle fill, outline, and/or width options.
4. To place a circle on the map, enter the coordinates for the circle's center into the corresponding text boxes. Then, enter the radius for the circle into the radius text box.
   OR
   To place a rectangle on the map, select the **Coordinate** option or use the **Distance and Bearing / Angle** option in conjunction with the **Coordinate** option. Enter the appropriate coordinates or numbers for the rectangle's upper-left corner point into the corresponding text boxes to the right of the fill options box.
   OR
   To place a polygon on the map, select the **Coordinate** option or use the **Distance and Bearing / Angle** option in conjunction with the **Coordinate** option, and enter the appropriate coordinates or numbers for the first polygon point into the corresponding text boxes to the right of the fill options box.
5. Click **Apply**.
   Note If you are placing a polygon on the map, repeat the procedure for the other points.

Waypoints, Symbols, MapNotes, Text Labels, and Images

Adding a Waypoint, Symbol, MapNote, Text Label, or Image to the Map

You can add point draw objects to a draw file in your current map file. Point objects consist of one anchor point attached to a waypoint, symbol, MapNote, image, or text label. The anchor point is the pixel position on the symbol that corresponds to the geographic coordinate of the point selected on the map when the symbol is placed.

- Use the **waypoints** tool to label waypoints on a map. You can exchange waypoints with a GPS receiver.
- Use **symbols** to identify certain areas on the map such as houses, monuments, or points of interest.
- Use **MapNotes** to point to and label a specific area on the map. See Map Notes for more information.
- Use **text labels** to name features or give details about features on the map.

- Use the **image** tool to add, edit, or place .bmp, .jpg, and .gif images on the map.

To Add a Point Object to the Map

From the Draw tab, you can:

- Add a MapNote, text label, or symbol
    1. Click and hold the **MapNote/Text/Label/Symbol/Image** tool and select the tool you want. Then, select the desired font, style, size, and color for your point object's label from the text style options.
    2. Click the location for the point object on the map.
       The URL/Label text box displays.
    3. Click the **Hyperlink** button and browse to the document you want to hyperlink your point object to (optional). The address displays in the URL field.
    4. Type the name or phrase into the **Label** field. The coordinates or distance and bearing/angle numbers of the location display in the corresponding **Coordinate** or **Distance and Bearing/Angle** text boxes.
    5. Press the ENTER key on your keyboard or click the map outside of the object's active area when you are finished.

    Notes:

    These steps describe how to add Draw MapNotes. To show/delete Route MapNotes, see Setting Your Routing Preferences on page 224.

    You can also add a MapNote by right-clicking the map on the point you want to label, pointing to **Add MapNote**, and then selecting a MapNote option.
- Add a waypoint
    1. Click and hold the **Tracks/Waypoints** tool and select **Waypoint** . Then, select the waypoint symbol from the **Symbols** options. You can also select a different font, style, size, and color for the waypoint name.
    2. Click the location for the point object on the map.
       The URL/Label text box displays.
    3. Click the **Hyperlink** button and browse to the document you want to hyperlink your point object to (optional). The address displays in the URL field.
    4. Type the name or phrase into the **Label** field. The coordinates or distance and bearing/angle numbers of the location display in the corresponding **Coordinate** or **Distance and Bearing/Angle** text boxes.
    5. Press the ENTER key on your keyboard or click the map outside of the object's active area when you are finished.
- Add an image
    1. Click and hold the **MapNote/Text Label/Symbol/Image** tool and select **Image** . Under **Images**, select an existing image or click **Add**, browse to an image, and click **Open** to add a new image to your Images selection.

Note: You can delete an image from the Images selection by selecting the image and then clicking Delete.

2. Click the location for the point object on the map.
   The URL/Label text box displays.
3. Click the **Hyperlink** button and browse to the document you want to hyperlink your point object to (optional). The address displays in the URL field.
4. Type the name or phrase into the **Label** field. The coordinates or distance and bearing/angle numbers of the location display in the corresponding **Coordinate** or **Distance and Bearing/Angle** text boxes.
5. Press the ENTER key on your keyboard or click the map outside of the object's active area when you are finished.

Tip Search for a point object by its label name using the QuickSearch function in the Find tab or by typing the label name in the **Start**, **Finish**, **Stop**, or **Via** text boxes when creating a route in the Route tab.

Editing a Waypoint, Symbol, MapNote, Text Label, or Image

Once you add a point object to a draw file, you can edit (name only), copy, move, or delete it at any time. You can edit multiple point objects at the same time by dragging a box around the objects you want to edit. Any changes are made to all of the point objects included in the box.

To Edit a Point Object

Use the following steps to edit a waypoint, symbol, MapNote, text label, or image.

1. Click the **Draw** tab.
2. Click the **Select** tool and then click the point object on the map twice.
3. Type a new name or phrase in the **Label** field, change the name's font, style, size, or color, select a new symbol (if applicable), or click the hyperlink button to change the URL address.
4. Press the ENTER key on your keyboard or click the map outside of the point object's active area when you are finished.

Placing a Waypoint, Symbol, Text Label, or Image at a Specific Location

You can place any point object (waypoint, symbol, text label, or image) at a specific coordinate location.

To Place a Point Object at a Specific Location

Use the following steps to place a waypoint, symbol, text label, or image at a specific coordinate location.

1. Click the **Draw** tab.

2. To place a waypoint, click and hold the **Tracks/Waypoints** tool and select the **Waypoints** tool . Select the waypoint symbol from the **Symbols** options. You can also select a different font, style, size and color for the waypoint name.
   OR
   To place a symbol, click and hold the **MapNote/Text Label/Symbol/Image** tool and select the **Symbol** tool . Select the symbol from the **Symbol Selection** list. You can also select a different font, style, size and color for the symbol name.
   OR
   To place a text label, click and hold the **MapNote/Text Label/Symbol/Image** tool and select the **Text Label** tool . Select the font, style, size, and color from the text style options. A sample of how your text display appears to the left of the options.
   OR
   To place an image, click and hold the **MapNote/Text Label/Symbol/Image** tool to view its hidden options. Select the **Image** tool . Under **Images**, select an existing image or click **Add**, browse to an image, and click **Open** to add a new image to your Images selection.
3. Select the **Coordinate** option, or use the **Distance and Bearing/Angle** option in conjunction with the **Coordinate** option, and type the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box.
4. Click **Apply**. The point object displays on the map at those coordinates, distance, and bearing or angle.
5. If you are placing a text label, enter the text and press the ENTER key on your keyboard or click the map outside of the text label active area when you are finished.

Moving and Deleting Draw MapNotes

You can add your own MapNotes to a map. MapNotes have a white background that make them highly visible on the map. They can contain multiple lines of text and can be moved off of the labeled area without losing their visual links with the points. You can use MapNotes for directions or explanations.

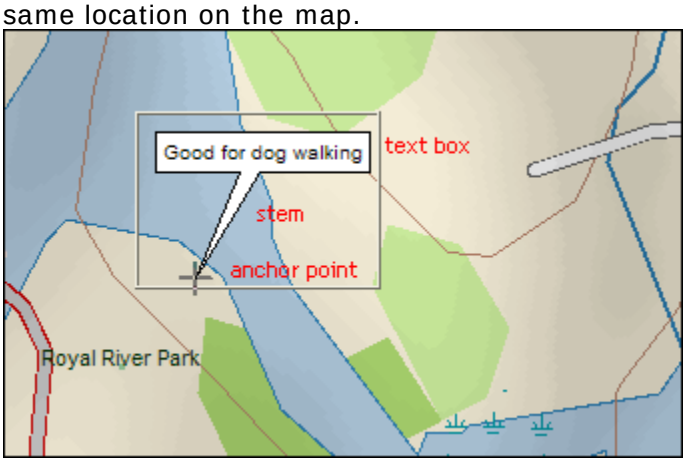
Notes

- This Help topic describes the steps necessary to move and delete Draw MapNotes. To show/delete Route MapNotes, see Setting Your Routing Preferences on page 224.
- When you use right-click functionality to add a MapNote, it is light blue unless it is a blank MapNote.
- You can search for a MapNote by its label name using the QuickSearch function in the Find tab or by typing the label name in the **Start**, **Finish**, **Stop**, or **Via** text boxes when creating a route in the Route tab.

To Move a MapNote

Use the following steps to move a MapNote.

1. Click the **Draw** tab.
2. Click the **Select** tool .
3. Click the **MapNote** to select it.
   The MapNote is enclosed with a box.
4. You can:
   - Drag the stem to a new location to move the MapNote.
   - Drag the text box to a new location, leaving the anchor point in the same location on the map.
   - Drag the anchor point to a new location, leaving the text box in the same location on the map.



To Delete a MapNote

Use the following steps to delete a MapNote.

1. Click the **Draw** tab.
2. Click the **Select** tool .
3. Click the **MapNote** to select it.
4. Press the DELETE key on your keyboard.

Custom Symbols

Custom Symbols Overview

DeLorme XSym lets you create and edit your own symbols, which you can edit and add to maps within DeLorme mapping programs. The symbols created are 24 x 24 pixels. New and edited symbols are saved within a symbol set (.dim file) and can contain up to 250 symbols. Symbol set files are located at *C:\DeLorme Docs\Symbols*.

The DeLorme XSym Dialog Box

The XSym dialog box provides all the tools you need to create and edit symbols for your DeLorme mapping program. Click an area on the diagram below to view information on the various parts of the dialog box.

Tip To close the pop-up information box that displays when you click the diagram, click on another part of the diagram.

Creating a New Symbol

With DeLorme XSym you can add a new symbol to an existing or new symbol set (.dim) file. You can assign a new category name for the symbol to help locate it under the Find tab in the DeLorme mapping program.

To Create a New Symbol

Use the following steps to create a new symbol.

1. Click the **Draw** tab.
2. Click and hold the **Symbol / MapNote / Text Label / Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, select the symbol set you want to add your new symbol to from the drop-down list. Select **New** to create a new symbol set.
4. Under Symbols, click **Edit** to display the DeLorme XSym dialog box.
5. Under **Symbols in Set**, click **New** to clear the Symbol Editing Grid.
6. Use the tools in the Draw Tool Box and the tools under Transparency and Anchor to create the new symbol.
   - To undo the last action, click the **Undo** button under **Edit Symbol**.
   - To repeat the last action, click the **Redo** button under **Edit Symbol**.
7. To assign a symbol name to the current symbol, type a name or phrase in the **Symbol Name** text box under Edit Symbol.
   Note Once a name is assigned to a symbol in a symbol set, each occurrence of that symbol placed on the map retains the new symbol name in addition to the default symbol name of "symbol".
8. Click **OK** when finished.

Note As you create a symbol, an image preview displays to the upper-left of the Symbol Editing Grid. You can make edits to the symbol in either the Image Preview or the Symbol Editing Grid. Any edits done in one view are mirrored in the other view.

Assigning a Waypoint ID to a Custom Symbol

With DeLorme XSym, you can create a custom symbol set that includes all of the waypoint symbols on your third-party GPS device. By creating this custom symbol set, the waypoints you create display the same in both the mapping application and on your third-party GPS device, no matter where they originated.

Third-party GPS waypoint symbols are identified by their waypoint ID number, which is assigned by the device's manufacturer. To successfully view third-party GPS waypoint symbols in the mapping application, you must assign the proper waypoint identification number to each symbol you add to the custom symbol set.

Important To create a custom symbol set of your third-party GPS device's waypoint symbols, you must contact the device's manufacturer to obtain the graphic files and the waypoint ID number associated with each symbol.

Notes

- Waypoint ID numbers vary by manufacturer and model.
- If you import multiple waypoints from a third-party GPS device without assigning a waypoint ID to each first, the waypoints display in the mapping application with the same default symbol.
- If you do not know the identification number for a third-party GPS device's waypoint, import the waypoint file into the mapping application. Then, use one of the two methods below to learn the waypoint ID:
  - Open the symbol set that holds the waypoint and view the waypoint's ID number in XSym.
  - Click the **Info** tool on the toolbar and click the symbol on the map. The waypoint ID displays in the Info tab.

To Assign a Waypoint ID to a Custom Symbol

Use the following steps to assign a waypoint ID to a custom symbol.

1. Click the **Draw** tab.
2. Click and hold the **Waypoint/Track** tool to view its hidden options. Select the **Waypoint** tool .
3. Under Symbols, select **<New...>** from the drop-down list. The DeLorme XSym dialog box opens.
4. Under **Symbol Set Name**, type the name for your new symbol set (such as Garmin Waypoint Symbols or Magellan Waypoint Symbols).
   Note The default name for a new symbol set is CustomSymbolSet.
5. Paste the third-party GPS device's waypoint symbol into XSym.
6. Use the transparency option to make the area behind the symbol transparent.
7. Type the waypoint identification number for the symbol in the **Waypoint ID** text box.
8. For each additional symbol, click **New** and then repeat steps 5–7.
9. Click **OK** when finished.

Editing a Symbol

With DeLorme XSym, you can edit an existing symbol in a symbol set (.dim) file and save the change or save it as a new symbol to be added to another symbol set. You can assign a new category name for the symbol to help locate it under the Find tab in the DeLorme mapping program.

To Edit a Symbol

Use the following steps to edit a symbol.

1. Click the **Draw** tab.
2. Click and hold the **Symbol / MapNote / Text Label / Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, select the symbol set that contains the symbol you want to edit.
4. Click **Edit**. The DeLorme XSym dialog box opens.
5. Select the symbol you want to edit from the symbol selection of the default symbol set or from another symbol set you have created. The symbol displays in the Symbol Editing Grid.
6. Use the tools in the Draw Tool Box and under Transparency and Anchor to edit the symbol.
   - To undo the last action, click the **Undo** button under **Edit Symbol**.
   - To repeat the last action, click the **Redo** button under **Edit Symbol**.
7. To assign a symbol name to the current symbol, type a name or phrase in the **Symbol Name** text box under **Edit Symbol**.
   Note Once you assign a name to a symbol in a symbol set, each occurrence of that symbol you place on the map retains the new symbol name in addition to the default symbol name of "symbol."
8. Click **OK** when finished.

Note As you create a symbol, an image preview displays to the upper-left of the Symbol Editing Grid. You can make edits to the symbol in either the Image Preview or the Symbol Editing Grid. Any edits done in one view are mirrored in the other view.

Finding a Custom Symbol

The symbol name you assign to a symbol in XSym is different than the label you attach to the symbol on the map using the symbol draw tool. You can use the symbol name to help locate a custom symbol you have already placed on a map using the Advanced feature under the Find tab.

To Find a Custom Symbol

Use the following steps to find a symbol by its symbol name.

1. Click the **Find** tab and then click **Advanced**.
2. Select **Category** from the **Find** drop-down list
3. Select the applicable option from the **Within** drop-down list.

4. Type the symbol name in the **Keywords** text box.
5. Click **Search**.
6. Click **OK**.
   The closet matches display in the list view to the right of the Search For text box. The Symbol Name displays in the Map Feature Type column just before the symbol's feature type (draw object).
7. Double-click the item or select the item and click **Go To** to locate your selection on the map.
   The map view centers on the item. If you assigned a name for the symbol under the Draw tab, a MapTag displays the name at the symbol location. If you did not assign a name for the symbol, a MapTag displays the Symbol Name at the symbol location.

Notes

- If you do not assign a symbol name to a symbol in XSym, you can locate it with the generic keyword of "symbol" or by the name or phrase given the symbol in the Draw tab. For more information, see Finding a Symbol by Its Name.
- If you assigned a Symbol Name to a custom symbol in XSym and placed the symbol on the map, the Symbol Name displays in the demographic information area when you right-click the symbol and select **Info.**

Importing a Bitmap

You can import a bitmap into DeLorme XSym to use as a symbol, but any bitmap you import must be 24 x 24 pixels or less. You can assign a new category name for the symbol to help locate it under the Find tab in the DeLorme mapping program.

To Import a Bitmap

Use the following steps to import a bitmap to use as a symbol.

1. Click the **Draw** tab.
2. Click and hold the **Symbol/MapNote/Text Label/Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, click **Edit**.
   The DeLorme XSym dialog box opens.
4. Under **Symbols in Set**, click **New** to clear the Symbol Editing Grid.
5. Click **Import** to display the Open Bitmap File dialog box. Browse to the location of the bitmap and click **Open**.
   The imported bitmap displays in the Symbol Editing Grid. See important **Notes** below.
6. Use the tools in the Draw Tool Box and under Transparency and Anchor to edit the symbol.
   - To undo the last action, click the **Undo** button under **Edit Symbol**.
   - To repeat the last action, click the **Redo** button under **Edit Symbol**.
7. To assign a symbol name to the current symbol, type a name or phrase in the **Symbol Name** text box under **Edit Symbol**.

Note Once you assign a name to a symbol in a symbol set, each occurrence of that symbol you place on the map retains the new symbol name in addition to the default symbol name of "symbol."

8. Click **OK** when finished.

Notes

- If you attempt to import a bitmap larger than 24 x 24 pixels into XSym, a message box warns you the selected bitmap is larger than 24 x 24 pixels and the image is reduced.
- If the bitmap is less than 24 x 24 pixels, the remaining area is filled to the edge of the Symbol Editing Grid with one of the symbol pixel colors.
- As you create a symbol, an image preview displays to the upper-left of the Symbol Editing Grid. You can make edits to the symbol in either the Image Preview or the Symbol Editing Grid. Any edits done in one view are mirrored in the other view.

Copying and Pasting

You can copy and paste portions of a symbol or whole symbols to create new symbols or edit existing ones.

To Copy and Paste in XSym

Use the following steps to copy a symbol or portions of a symbol to edit an existing symbol or to create a new symbol.

1. Click the **Draw** tab.
2. Click and hold the **Symbol/MapNote/Text Label/Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, select the symbol set that contains the symbol you want to edit.
4. Click **Edit**.
   The DeLorme XSym dialog box opens.
5. Under **Symbols in Set**, select a symbol from the symbol selection.
6. In the Draw Tool Box, click the **Select** tool.
7. Select the area of the symbol you want to copy or select the whole symbol, and then click the **Copy** button under **Edit Symbol**.
8. Click the **Paste** button under **Edit Symbol**. The copied image is pasted into the current symbol in the Symbol Editing Grid. Drag the pasted piece into the place you want it within the current symbol.
   OR
   To create a new symbol with the copied image, click **New** under **Symbols in Set** to clear the Symbol Editing Grid, and then click the **Paste** button to add the pasted image into the grid.
   Note You can assign a new symbol name for the symbol to help locate it under the Find tab in the DeLorme mapping program. To assign a symbol name to the current symbol, type a name or phrase in the **Symbol Name** text box under **Edit Symbol**.

9. Click **OK** when finished.

Notes

- To undo an action, click the **Undo** button under Edit Symbol.
- To repeat an action, click the **Redo** button under Edit Symbol.

Pasting a Bitmap into XSym

You can copy a bitmap or part of a bitmap to the clipboard and paste the image into DeLorme XSym to use as a symbol. Ideally, the pasted bitmap should be 24 x 24 pixels in size. You can assign a new symbol name for the symbol to help locate it under the Find tab in the DeLorme mapping program.

To Paste a Bitmap into XSym

Use the following steps to paste a bitmap into XSym.

1. Click the **Draw** tab.
2. Click and hold the **Symbol / MapNote / Text Label / Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, select the symbol set that contains the symbol you want to edit.
4. Click **Edit**.
   The DeLorme XSym dialog box opens.
5. Under **Symbols in Set**, click **New** to clear the Symbol Editing Grid.
6. Open a bitmap in another image editing program, and select the bitmap or a part of the bitmap you want to copy. Press CTRL+C on your keyboard to copy the selection to the clipboard.
7. Click the **Paste** button under **Edit Symbol**.
   The copied image is pasted into the current symbol in the Symbol Editing Grid. See important **Notes** below.
8. Use the tools in the Draw Tool Box and under Transparency and Anchor to edit the symbol.
   - To undo the last action, click the **Undo** button under **Edit Symbol**.
   - To repeat the last action, click the **Redo** button under **Edit Symbol**.
9. To assign a symbol name to the current symbol, type a name or phrase in the **Symbol Name** text box under **Edit Symbol**.
10. Click **OK** when finished.

Notes

- If you attempt to import a bitmap larger than 24 x 24 pixels into XSym, a message box warns you the selected bitmap is larger than 24 x 24 pixels and the image is reduced.
- If the bitmap is less than 24 x 24 pixels, the remaining area is filled to the edge of the Symbol Editing Grid with one of the symbol pixel colors.
- As you create a symbol, an image preview displays to the upper-left of the Symbol Editing Grid. You can make edits to the symbol in either the Image

Preview or the Symbol Editing Grid. Any edits done in one view are mirrored in the other view.

Dragging a Bitmap into XSym

You can drag a bitmap into DeLorme XSym to use as a symbol. Using drag to bring in an image is much like importing a bitmap into XSym. Ideally, the new bitmap should be 24 x 24 pixels in size. You can assign a new symbol name for the symbol to help locate it under the Find tab in the DeLorme mapping program.

To Drag a Bitmap into XSym

Use the following steps to drag a bitmap into XSym.

1. Click the **Draw** tab.
2. Click and hold the **Symbol / MapNote / Text Label / Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, select the symbol set that contains the symbol you want to edit.
4. Click **Edit**.
   The DeLorme XSym dialog box opens.
5. Under **Symbols in Set**, click **New** to clear the Symbol Editing Grid.
6. Browse your computer to locate the bitmap (.bmp) file.
7. Drag the file into XSym.
   The bitmap image displays in the Symbol Editing Grid. See important **Notes** below.
8. Use the tools in the Draw Tool Box and under Transparency and Anchor to edit the symbol.
   - To undo the last action, click the **Undo** button under **Edit Symbol**.
   - To repeat the last action, click the **Redo** button under **Edit Symbol**.
9. To assign a symbol name to the current symbol, type a name or phrase in the **Symbol Name** text box under **Edit Symbol**.
10. Click **OK** when finished.

Notes

- If you attempt to import a bitmap larger than 24 x 24 pixels into XSym, a message box warns you the selected bitmap is larger than 24 x 24 pixels and the image is reduced.
- If the bitmap is less than 24 x 24 pixels, the remaining area is filled to the edge of the Symbol Editing Grid with one of the symbol pixel colors.
- As you create a symbol, an image preview displays to the upper-left of the Symbol Editing Grid. You can make edits to the symbol in either the Image Preview or the Symbol Editing Grid. Any edits done in one view are mirrored in the other view.

Removing a Symbol

You can remove a symbol from the default symbol set or from any other symbol set you have created.

To Remove a Symbol

Use the following steps to remove a symbol from a symbol set.

1. Click the **Draw** tab.
2. Click and hold the **Symbol / MapNote / Text Label / Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, select the symbol set that contains the symbol you want to edit.
4. Click **Edit**.
   The DeLorme XSym dialog box opens.
5. Select the symbol to remove from the symbol selection.
   The symbol displays in the Symbol Editing Grid.
6. Click **Remove**.
   The symbol disappears from the symbol selection under **Symbols in Set** and the next symbol within the selection displays in the Symbol Editing Grid.
7. Click **OK** when finished.

Symbol Editing Tools

Draw Tool Box

DeLorme XSym has a Draw Tool Box that lets you create and edit symbols within the Symbol Editing Grid independently of the DeLorme mapping program. The tools provided help you to create unique symbols to add to your map.

The following are the tools available in the Draw Tool Box.

Pencil—Draw freehand lines within the grid.

Line—Draw lines by clicking and dragging to the end point you want within the grid.

Ellipse—Create an ellipse by clicking and dragging until you achieve the size or shape of the ellipse you want.

Filled Ellipse—Create a filled ellipse by clicking and dragging until you achieve the size or shape of the filled ellipse you want.

Rectangle—Create a rectangle by clicking and dragging until you achieve the size of the rectangle you want.

Filled Rectangle—Create a filled rectangle by clicking and dragging until you achieve the size of the filled rectangle you want.

Fill—Use the fill tool to fill an area of the grid with a color chosen from the color palette.

Select—Use select to choose an area of the symbol to copy from the Symbol Editing Grid and then paste into the same symbol or another symbol in the grid.

Using the Transparency Option

The transparency option in DeLorme XSym lets you display a selected color as transparent in the final symbol image you place on a map within a DeLorme mapping program. For example, you may want to view the symbol object without the square of the surrounding background color. You would then select the background color to appear transparent.

To Make Part of a Symbol Transparent

Use the following steps to make part a symbol transparent.

1. Click the **Draw** tab.
2. Click and hold the **Symbol / MapNote / Text Label / Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, select the symbol set that contains the symbol you want to edit.
4. Click **Edit**.
   The DeLorme XSym dialog box opens.
5. Select the symbol you want to edit from the **Symbol Selection**.
   The symbol displays in the Symbol Editing Grid.
6. Select the **Transparent** option under **Transparency**.
7. Click the **Select Color** tool .
   The pointer changes to a dropper tool.
8. Select the color on the symbol you want to appear transparent.
   The Transparent Color display box updates with the selected color, and the Image Preview displays the chosen color area as transparent.
9. To display all colors, select the **Opaque** option under **Transparency**.
   The Image Preview reflects this change.
10. Click **OK** when finished.

Note Be sure the color in the symbol you want to appear transparent is not repeated in another part of the symbol you want to display as opaque. Select a new color from the color palette and fill the area on the symbol you want to display as transparent with the new color. Use the Select Color tool to select the new color in the symbol grid.

Anchor Position

Being aware of Cursor Position is important for choosing the anchor position of a symbol. The anchor is the pixel position on the symbol that corresponds to the geographic coordinate of the point selected on the map when the symbol is placed. Any newly created symbol, whether imported, pasted or dragged into the XSym Symbol Editing Grid, has a default position of center anchor.

XSym lets you change the anchor position of your symbol.

To Select the Anchor Position

Use the following steps to select the anchor position of a symbol.

1. Once your symbol is created, click the **Anchor Position** button. When you pass your pointer over the Symbol Editing Grid, it changes to a small cross hair (plus sign).
2. Click the pixel grid within the symbol to position your anchor. The anchor location pixel coordinate numbers display after the position text to the right of the Anchor Position button. The large cross hair in the Symbol Editing Grid moves from its default anchor position to the new anchor position.

To Center the Anchor Position

Click **Center Anchor** to place the anchor point in the exact center of the Symbol Editing Grid.

Cursor Position

Any symbol created in XSym is 24 x 24 pixels square. Each of these pixels is represented in the Symbol Editing Grid. When you move your cursor over the Symbol Editing Grid, the cursor position by pixel number displays to the right of the Cursor Position text next to the Image Preview (as shown below).

Image Preview and Cursor Position

As you move the cursor over the grid, the numbers update according to where you are in the 24 x 24 grid. The first number in the above sample, 16, refers to the number of pixels across (the X coordinate) from the upper left corner of the grid, beginning with zero. The second number, 14, refers to the number of pixels down (the Y coordinate) from the upper-left corner of the grid, beginning with zero.

Symbol Sets

Creating a New Symbol Set

Symbols created in DeLorme XSym are saved within a symbol set (.dim file) which can contain up to 250 symbols.

To Create a New Symbol Set

Use the following steps to create a new symbol set.

1. Click the **Draw** tab.
2. Click and hold the **Symbol / MapNote / Text Label / Image** tool to view its hidden options. Select the **Symbol** tool .

3. Under **Symbols**, select **<New...>** from the drop-down list.
   The DeLorme XSym dialog box opens.
4. Under **Symbol Set Name**, type the name for your new symbol set. The default name for the new symbol set is CustomSymbolSet.
5. Import a bitmap into your new symbol set.
   OR
   Create a new symbol to add to your new symbol set.

Opening a Symbol Set

Open an existing symbol set (.dim) to add new symbols or edit existing ones.

To Open a Symbol Set

Use the following steps to open a symbol set.

1. Click the **Draw** tab.
2. Click and hold the **Symbol / MapNote / Text Label / Image** tool to view its hidden options. Select the **Symbol** tool .
3. Under **Symbols**, select the symbol set from the drop-down list.
   The DeLorme XSym dialog box opens. The symbol selection for the new symbol set displays under Symbols in Set and the Symbol Editing Grid updates with the first symbol of the new symbol set.

Routing

Creating a Route

You can create a road route using the Route tab, right-click feature, or the toolbar. Once you create a route, you can use the Route tab to view route directions, edit a route, and display routes on a map.

Routes are calculated using the default routing preferences. To show/remove routing MapNotes, waypoint labels, state borders, and route vias, enable/disable GPS voice navigation, or to change the default speed, road type, or routing preference, see Setting Your Routing Preferences in this section.

See also, the Creating a Route tutorial on page 37.

To Create a Route Using the Route Tab

Use the following steps to create a route.

1. Click the **Route** tab and then click **New/Edit** (if it is not already selected).
2. Click **File**, click **New**, and then type the name for your route in the **Name** text box.
3. Click the **Start** tool and then click the point on the map where you want to begin your route.
   OR
   To use an address book entry as your start location, select **Start From Address Book** from the **Start** drop-down list, click to select an Address Book entry, and then click **OK**.
   OR
   To use your current GPS position as your start location, select **Start From GPS Location** from the **Start** drop-down list.
   OR
   Type your start location in the **Start** drop-down text box. You can type the name of an address book contact, user-added waypoint, or address.
   Notes
   An address must be in one of the following formats: street address, city, state **OR** street address, ZIP/Postal Code.
   The Book check box (underneath the Address Book buttons in the Find tab) must be selected to search for address book contact names.
4. Click the **Finish** tool and then click the spot on the map where you want to end your route.
   OR
   To use an address book entry as your finish location, select **Finish From Address Book** from the **Finish** drop-down list, click to select an Address Book entry, and then click **OK**.
   OR
   Type your finish location in the **Finish** drop-down text box. You can type in the name of an address book contact, user-added waypoint, or address.
   Notes
   An address must be in one of the following formats: street address, city, state **OR** street address, ZIP/Postal Code.
   The Book check box (underneath the Address Book buttons in the Find tab) must be selected to search for address book contact names.

5. Select a calculation method — the program adjusts the default calculation values based on your selection:
   Driving-Use this method to calculate the route when you are driving a vehicle.
   Cycling-Use this method to calculate a bicycle route.
   Walking/running-Use this method to calculate routes when you are on foot.
6. Select a route type **(Road-Shortest** or **Road-Quickest**) from the drop-down list.
7. If the Auto check box is not selected, click **Calculate.**
   If the program is unable to find an exact match for the item that you typed, a dialog box opens with a list of the closest matches. Scroll through the list of search results until you find the one you want to locate, click the item to select it, and then click **OK**.
8. Click **Directions** to view the route directions.
   AND/OR
   Click **Advanced** to display the advanced routing options.
   AND/OR
   Click **Back on Track** to add your current GPS position as a stop to the current route.

To Create a Route Using the Right-click Function

Use the following steps to create a route.

1. Right-click the map location where you want to begin your route, point to **Create Route** in the shortcut menu, and click **Set as Start**.
2. Right-click the map location where you want to end your route, point to **Create Route** in the shortcut menu, and click **Set as Finish**.
3. If the route doesn't automatically calculate, right-click the route, point to **Manage Route** in the shortcut menu, and click **Calculate Road Quickest** or **Calculate Road Shortest**.
   Note If the program is unable to find an exact match for the item that you typed, a dialog box opens with a list of the closest matches. Scroll through the list of search results until you find the one you want to locate, click the item to select it, and then click **OK**.
4. Optional. Click the **Route** tab. Then click the **Directions** subtab to view the route directions, the **Advanced** subtab to display advanced routing options, **Plan Trip** to assign end of day or fuel breaks to your route, or **Back on Track** to add your current GPS position as a stop to the current route.

To Create a Route Using the Toolbar

See T to view the steps for creating a route using the toolbar.

Adding and Inserting Stops and Vias

You can add or insert stops or vias in any route you create.

- A **stop** is a location along a route where you want to stop and then proceed from.
- A **via** is a point on the map that you want your route to go through. You can use stops and vias to route you through a particular place or along a particular road.

Tips

- Turn off Auto Calculate when you are adding many stops and vias.
- Use Add instead of Insert when your start and finish are at the same place.
- Don't place the finish point until you add all your stops and vias.
- Place vias near the beginning of the road you want to use.
- When you calculate the route, if it goes to a via and then returns to the original path, insert another via toward the end of that road (where you want to turn onto the next road) to force it to use that road.

Note When using a road as a stop or via, zoom in to ensure you select the correct road. The selected road segment is highlighted when you click it.

To Add a Stop or Via To Your Route

The Add Stop/Via function adds stops and vias in the order you add them to the route. Use the following steps to add a stop or via to your route.

1. Create a route.
2. In the **New/Edit** dialog area in the **Route** tab, make sure the button next to the **Stop** tool (if you are adding a stop) or the **Via** tool (if you are adding a via) is labeled Add. If it is not, click the arrow next to the button and select **Add**.
3. To add a stop or via to the route, click the **Stop** or **Via** tool and then click the location on the map.
   OR
   - To use an address book entry as your stop or via location
     1. Select **Stop From Address Book** from the **Stop** drop-down list.
        OR
        Select **Via From Address Book** from the **Via** drop-down list.
     2. Select an **Address Book** entry, and then click **OK**.
   - To use your current GPS position as your stop or via location
     Select **Stop at GPS Location** from the **Stop** drop-down list.
     OR
     Select **Via at GPS Location** from the **Via** drop-down list.
   - Type the stop or via location in the **Stop** or **Via** text box
     Type the name of an address book contact, user-added waypoint, or address.
     If you type an address, it must be in one of the following formats: street address, city, state **OR** street address, ZIP/Postal Code.
     The Book check box (underneath the Address Book buttons in the Find tab) must be selected to search for address book contact names.

- Right-click the map where you want to add the stop or via
  Point to **CreateRoute** in the shortcut menu and then click **Add Stop** or **Add Via**.
  You can also select **Add as Last Stop** or **Add as Last Via.**
- Use the toolbar to add a Stop or Via.

2. If the Auto check box is not selected, click **Calculate** to recalculate your route to include the stop or via.
   OR
   Click the **Calculate** button on the toolbar.
   OR
   If the Auto check box is not selected, right-click the route, point to **Manage Route** in the shortcut menu, and click **Calculate Road Quickest** or **Calculate Road Shortest**.
   Note If the program is unable to find an exact match for the item that you typed, a dialog box opens with a list of the closest matches. Scroll through the list of search results until you find the one you want to locate, click the item to select it, and then click **OK**.
3. Click **Directions** to view the route directions.
   AND/OR
   Click **Advanced** to display the advanced routing options.
   AND/OR
   Click **Plan Trip** to assign end of day or fuel breaks to your route.
   AND/OR
   Click **Back on Track** to add your current GPS position as a stop to the current route.

To Insert a Stop or Via Into Your Route

The Insert Stop/Via function arranges stops/vias geographically in the route. Use the following steps to insert a stop or via to your route.

1. Create a route.
2. In the **New/Edit** dialog area in the **Route** tab, make sure the button next to the **Stop** tool (if you are adding a stop) or the **Via** tool (if you are adding a via) is labeled Insert. If it is not, click the arrow next to the button and select **Insert**.
3. To insert a stop or via to the route, click the **Stop** or **Via** tool and then click the location on the map.
   OR
   - To use an address book entry as your stop or via location
     1. Select **Stop From Address Book** from the **Stop** drop-down list.
        OR
        Select **Via From Address Book** from the **Via** drop-down list.
     2. Select an **Address Book** entry, and then click **OK**.
   - To use your current GPS position as your stop or via location
     Select **Stop at GPS Location** from the **Stop** drop-down list.
     OR
     Select **Via at GPS Location** from the **Via** drop-down list.

- Type the stop or via location in the **Stop** or **Via** text box

  Type the name of an address book contact, user-added waypoint, or address.
  If you type an address, it must be in one of the following formats: street address, city, state **OR** street address, ZIP/Postal Code.
  The Book check box (underneath the Address Book buttons in the Find tab) must be selected to search for address book contact names.
- Right-click the map where you want to add the stop or via

  Point to **CreateRoute** in the shortcut menu and then click **Insert Stop** or **Insert Via**.

- Use the toolbar to insert a Stop or Via.

3. If the Auto check box is not selected, click **Calculate** to recalculate your route to include the stop or via.
   OR
   Click the **Calculate** button on the toolbar.
   OR
   If the Auto check box is not selected, right-click the route, point to **Manage Route** in the shortcut menu, and click **Calculate Road Quickest** or **Calculate Road Shortest**.
   Note If the program is unable to find an exact match for the item that you typed, a dialog box opens with a list of the closest matches. Scroll through the list of search results until you find the one you want to locate, click the item to select it, and then click **OK**.
4. Click **Directions** to view the route directions.
   AND/OR
   Click **Advanced** to display the advanced routing options.
   AND/OR
   Click **Plan Trip** to assign end of day or fuel breaks to your route.
   AND/OR
   Click **Back on Track** to add your current GPS position as a via to the current route.

Changing the Routing Method

You can change your routing calculation method at any time. You may need to do this to update your routing preferences.

To Change the Route Calculation Method

1. From the Route tab, click the **New/Edit** subtab.
2. Select a calculation method:
   Driving-Use this method to calculate the route when you are driving a vehicle.
   Cycling-Use this method to calculate a bicycle route.
   Walking/running-Use this method to calculate routes when you are on foot.
3. Select a route type (**Road-Shortest** or **Road-Quickest**) from the drop-down list.

Changing the Properties of a Stop Along Your Route

You can change the properties of a stop along your route by using the Stop Prefs function in the Advanced sub-tab under Route.

To Change the Properties of a Stop

Use the following steps to change the properties of a stop.

1. Click the **Route** tab and then click **Advanced**.
2. Click a stop from the waypoint list and then click **Stop Prefs**.
   The Stop Time Preferences dialog box opens.
3. To designate the stop as an end of day stop, select the **End of Day** check box, click **Apply**, and then click **Done**.
   AND/OR
   To designate the stop as a fuel break, select the **Fuel** check box, click **Apply**, select the **Duration** check box, select the duration of the fuel break using the Hrs and Mins drop-down lists, and then click **Done**.
   Note It is not necessary to allocate a fuel stop duration.

Viewing Route Directions

After you create a route, you can view the accompanying route directions.

To View the Route Directions

Use the following steps to view the route directions.

1. Click the **Route** tab and then click **Directions** to open the Route Directions dialog area.
   The list of routes you have created display in the route list on the left. A selected check box indicates the route is displaying on the map.
2. Click a route to select and highlight it.
   OR
   Double-click a route to center it on the map.
3. The route directions for the selected route display in the right window. Adjust the size of the tab area to expand the view.
   Tip Click the header of a column to open a shortcut menu from which you can select the type of information you want to display in each column.
4. Click a leg to select it and then click **Go To** to center the map on the leg.
   OR
   Double-click a leg to center the map on the leg.

Tip When tracking with a GPS receiver, select the **GPS Track** check box to follow along with the route directions in real time as you travel. Click **Show Turns** to display the current distance and time to your finish.

Avoiding a Specified Area When Routing

If you know you will be travelling in an area that is under construction or is a highly-populated area with a lot of traffic congestion, you can draw a circle/rectangle/polygon over that area to avoid it when you calculate your route. You can create multiple regions to avoid.

To Avoid a Specified Area When Routing

Use the following steps to designate an area to avoid when calculating your route.

1. Create a route.
2. Click the **Draw** tab to open the Draw dialog area.
3. Click and hold the **Polygon / Rectangle / Circle** tool to view its hidden options. Select the tool you want to use.
4. Optional. Select one or more of the following:
    - From the **Fill** drop-down list, select the fill style you want to apply to the draw object.
    - Click the fill color button to the right of the **Fill** drop-down list to select the color for your fill style.
    - Select an outline style for your draw object from the **Outline** drop-down list.
    - Click the outline color button to select a color for the outline of your draw object.
    - Select the width for your draw object outline from the **Width** drop-down list.
    - Select the **Show Measurement** check box to display measurement information for your draw object as your draw it on the map.
5. If you selected the **Circle** tool, click the location for the circle's center on the map and drag away from center to set the radius for the circle. Release as soon as you achieve the radius you want.
   The radius of the circle and the coordinates of the circle's center display in the corresponding text boxes to the right of the circle fill option area.
   OR
   If you selected the **Polygon** tool, click the map to enter each point of the polygon.
   OR
   If you selected the **Rectangle** tool, click the location for the rectangle's upper-left corner on the map and drag away from the corner to set the width, height, and area for the rectangle. Release as soon as you achieve the size you want.
6. Click the **Select** tool and then click the draw object on the map.
   A box displays around the object indicating that it is active.
7. Right-click the draw object, point to **Manage Draw**, and click **Route Avoid**.
   If the object has no name, it the name "Route Avoid" is visible on the map.
8. If you do not have the Auto Calculate option selected in the Route tab, click the **Route** tab and then click **Calculate** to recalculate your route.

Note To undo your route avoid, click the **Select** tool in the Draw tab and click the draw object on the map. Then, press the DELETE key on your keyboard.

Saving Route Directions as Text

You can save your directions and along the way results as a text file.

To Save Your Route Directions

Use the following steps to save your directions.

1. Click the **Print** tab and then click the **Route** subtab.
   If you do not have a route in this map file, the Route Options are unavailable.
2. Select the route you want to save from the **Name** drop-down list.
   If the route you want to save is not available in the Name drop-down list, you may not have the correct map file open.
3. Under **Options**, select **Directions** or **Along the Way**.
4. Click the **Save** button on the Route tab.
5. To rename the .txt file, type the new name in the **File Name** text box and click **Save**.

Setting Your Routing Preferences

Once you master basic routing, you can customize your routing preferences and create more advanced routes.

The routing preferences allow you to favor or avoid various road types when calculating your route. You can also set your speed preferences.

The default settings are based on the calculation method you chose when creating the route.

To Set Your Routing Preferences

Use the following steps to set your routing preferences.

1. Click the **Route** tab and then click the **Advanced** subtab.
2. Click **Route Prefs** to display the Route Preferences dialog area.
3. From the **Road Type** drop-down list, select the road type for which to set preferences.
4. Select **Preferred**, **Standard**, or **Avoid** from the **Routing Preference** drop-down list.
   Preferred favors this type of road whenever possible, Standard is the default level, and Avoid avoids this type of road whenever possible. An avoided road may be used when no other road is available.
5. In the **Speed** text box, type your average driving speed for this road type.
   These speeds are used to compute the travel time for a route.
6. In the **Urban Speed** text box, type your average driving speed within an urban area.
   These speeds are used to compute the travel time for a route.
7. Repeat these steps for each road type.
8. When you are finished setting your road preferences, click **Review** to display your settings.
9. In the **Route Features** list, select the check box for each feature you want to display:

- **Show Location MapNotes**—Displays Location MapNotes with their coordinate information for each point in your route.
- **Show Comments MapNotes**—Displays comments about your route.
- **Show Summary MapNotes**—Displays time and distance information for each waypoint and the finish point of your route.
- **Display Waypoint Labels**—Displays start/stop/via/finish labels on the map when the route is created.
- **Include State Borders**—Shows or hides state borders in your route directions (only available when Road is the selected route type).
- **GPS Voice Navigation**—Provides spoken route directions when you are tracking with a GPS receiver. After initializing, the computer speaks the directions for the next turn in your route. It repeats the instructions approximately 90 seconds prior to arriving at the turn.
- **Display Route Vias—Shows or hides your route vias on the map.**

10. In the Voice Alert text box, type the amount of time (in seconds) that you want to elapse before the computer alerts you of your next two turns.
    Note Because it may take the computer a while to speak turn information, it is recommended that you designate at least 60 seconds for the voice alert.
11. Click **Done**.

Note Click **Use Defaults** to restore all route preferences to the default settings.

Editing a Route

You can modify existing routes by:

- Adding, removing, and rearranging stops and vias.
- Adjusting your route preferences based on road type.
- Customizing your route based on your driving style and speed.
- Reversing a route.

Tips

- Zoom in to set accurate points for your route.
- Use the right-click feature for routing. Just right-click the route, stop, or via, point to **Manage Route** in the shortcut menu, and click the applicable option.

To Edit a Route

To edit a route, click the **Route** tab and then click the **Advanced** subtab. Select the route from the **Name** drop-down list box. The route becomes active. The following list describes the edit functions.

- ***Street Atlas USA® Plus and regular Street Atlas USA with advanced file management only***: To change the route name, select the name in the **Name** text box, type the new route name, and then press the ENTER key on your keyboard.
- To change a route point, click the corresponding tool and then click the new spot on the map.
  OR
  Select a route point on the map and drag it to the new location on the map.
  Note If you try to add a start or finish point to an existing route, the "Would you like to move your Start location or create a New route?" message opens.

Click **New** to begin creating a new route. Click **Move** to move the Start or Finish point to the last location clicked.

- To add or insert a stop or via to your route, click the corresponding tool and then click the spot on the map where you want to add or insert your stop or via. For more information, see Adding and Inserting Stops and Vias in this section.
- To rearrange stops and vias, click the point to select it and then click the **Move Up** or **Move Down** tools to relocate it in the route.
- To delete a stop or via, select the stop or via in the route list and then click the **Delete** button.
- To change a stop to a via, select the stop and click **Make Via**. To change a via to a stop, select the via and click **Make Stop**.
- Click **Reverse Rte** to reverse the order of all of the points in the route.
- Click **Calculate** if the Auto check box is not selected in the New/Edit subtab.
- Click **Stop Prefs** to make a stop in your route a fuel or end of day stop. For more information, see Setting Your End of Day and Fuel Break Preferences in this section.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Editing Roads

You can change the characteristics of any road on a map to:

- Two Way
- One Way N or E
- No Left Turn N or E
- No Right Turn N or E
- No Way
- One Way S or W
- No Left Turn S or W
- No Right Turn S or W

To Edit a Road

Use the following steps to edit a road.

1. Click the **Route** tab and then click the **Advanced** subtab.

2. Click **Edit Roads**.
3. Select the **Display Road Edits** check box to show existing road edits on the map.
4. Click the **Select** tool and select the road on the map you want to edit.
5. Select a direction.
   - If you select **Two Way**, you can also select No Left Turn No Right Turn.
   - If you select **One Way**, you can also select No Left Turn or No Right Turn.
   - If you select **No Way**, you cannot select any other options.

   Note Click **Default** to change the road properties to the default settings. Click **Clear All Edits** to remove all road options and return all road properties to their default settings.
6. Click **Done**.

Labeling a Route Point with a MapNote

The easiest way to label your route points (start, stop, via, and finish) with a MapNote is to use the Route Preferences section of the Route tab.

If you select more than one option, each category of information (location, comments, and/or summary) displays in the same MapNote.

To Label a Route Point with a MapNote

Use the following steps to label a route point with a MapNote.

1. Click the **Route** tab and then click the **Advanced** subtab.
2. Click **Route Prefs** to display the Route Preferences dialog area.
3. Under **Route Features**, select the check box next to each MapNote you want to display at your route points:
   - **Show Location MapNotes**—Displays the coordinate information for each point in your route.
   - **Show Comments MapNotes**—Displays comments about each point of the route as specified in the Route Advanced subtab.
     To modify route comments, click the **Route** tab, click the **Advanced** subtab, select the route, and then click in the **Comments** column twice (do not double click) next to the route point you want to create a comment for. The information you type in the Comments field for that point is placed in a Comments MapNote when you selected to show it on the map.
   - **Show Summary MapNotes**—Displays time and distance information for each point in your route.
4. Click **Done**.

Moving Route MapNotes

You can move Route MapNotes. The text box moves, but the point stays on the map location.

To show/delete Route MapNotes, see Setting Your Routing Preferences in this section.

To move and delete Draw Map Notes, see Moving and Deleting Draw MapNotes in this section.

To Move a Route MapNote

Use the following steps to move a MapNote.

1. Click the **Route** tab and then click the **Advanced** subtab.
2. Click the **Move Route MapNotes** button .
3. Click the **MapNote** to select it.
4. Drag the text box to the new location.

Displaying and Centering Routes on the Map

All the routes you create are automatically displayed. The active route displays as a gold line outlined in red. Each inactive route displays as a dashed, orange line outlined in green.

You can choose to display only certain routes without deleting them from the map.

To Display a Route on the Map

Use the following steps to display a hidden route on the map.

1. Click the **Route** tab and then click the **Directions** subtab.
2. In the route list on the left, select the check box next to the route you want to display.
   OR
   To center the map on the route, double-click the route name.

To Hide a Route from the Map

Use the following steps to hide a route from view on the map.

1. Click the **Route** tab and then click the **Directions** subtab.
2. In the route list on the left, clear the check box next to each route you want to hide from view on the map.
   OR
   Right-click the route you want to clear from the map view, point to **Manage Route** in the shortcut menu, and then click **Hide Route**.

To Center the Map on a Route

Use the following steps to center a route on the map.

1. Click the **Route** tab and then click the **Directions** subtab.
2. Double-click the route in the route list on the left.

Tip To center a route that is not in the current map view, click the **Route** tab, click the **New/Edit** subtab, and select the route from the **Name** drop-down list.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save

only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Saving a Route

The route in memory is retained as you create it. You are prompted to save your route when you create a new map file or exit the program.

- Creating a New Map File—When you click File/New in the Files dialog area on the Map Files tab, you are asked if you want to save changes to the most recently used map file. A separate dialog box asks if you want to save changes to an unsaved route.
- Exiting the application —The Save Changes dialog box asks if you want to save your changes.

You can also save the route using the Route tab.

Routes have .anr extensions and are saved by default in the *C:\DeLorme Docs\Navigation* directory by default.

To Save a Route Using the Route Tab

Use the following steps to save a route using the Route tab.

1. Create a route.
2. Click the **Route** tab and then click the **New/Edit** subtab.
3. Click **File** and then click **Save**.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Deleting a Route

You can delete routes permanently.

To Delete a Route

Use the following steps to delete a route.

1. Click the **Route** tab and then click the **New/Edit** subtab.
2. Select the route from the **Name** drop-down list.
3. Click **File** and then click **Delete**.
   OR
   Right-click the route, point to **Manage Route** in the shortcut menu, and then click **Delete Route**.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Importing Routes

Routes can be imported from many other DeLorme mapping programs using the Route tab.

To Import an Existing Route Using the Route Tab

Use the following steps to import an existing route using the Route tab.

1. Click the **Route** tab and then click the **New/Edit** subtab.
2. Click **File** and then click **Import**.
   The Import dialog box opens.
3. Browse to select the route file and then click **Open**.
   The map centers on the imported route and is available in the Name drop-down list.

Note for regular Street Atlas USA® users

This Help topic describes functionality provided in advanced file management.

Advanced file management allows you to save multiple routes and draw layers in a single map file. With simplified file management, you can save only one route and/or draw layer in a single map file. If you did not select to enable advanced file management during the product installation, you can still change the settings using the Change File Management option in the Options menu. For more information, see Activating Advanced/Simplified File Management.

This note does not apply to Street Atlas USA Plus users.

Setting Your End of Day and Fuel Break Preferences

You can schedule end of day and fuel breaks along a route by using the Plan Trip option in the Route tab. You can schedule end of day breaks according to the miles (or other distance unit selected in Map Display) or hours driven and you can schedule fuel breaks according to your current fuel level, your vehicle's fuel consumption rate, and so on.

Note This feature works with the route preferences you have designated with the Route Preferences option under Route. For more information, see Setting Your Routing Preferences in this section.

To Set Your End of Day and Fuel Stop Preferences

Use the following steps to set your time preferences.

1. Create a route.
2. Click the **Route** tab and then click **Plan Trip.**
3. Optional. Select the **Estimate End of Day Breaks** check box to schedule end of day breaks for your trip.
    - Select **Hours per day** to schedule your end of day breaks after a designated number of hours traveled per day. Then, type the number of hours you want to travel per day in the **Hours Per Day** text box. Use the **Flexibility** drop-down list to determine the amount of time you want to be flexible between breaks and defined stops. For example, if you selected 1.5 Hrs from the Flexibility drop-down list and have an end of day break within 1.5 hours of a planned stop, the end of day break is moved to the planned stop.

    OR
    - Select **mi per day** to schedule your end of day breaks after a designated number of miles traveled per day. Then, type the number of miles you want to travel per day in the **Mi Per Day** text box. Use the **Flexibility** drop-down list to determine the number of miles you want to be flexible between breaks and defined stops. For example, if you selected 50 mi from the Flexibility drop-down list and have an end of day break within 50 miles of a planned stop, the end of day break is moved to the planned stop.
3. Optional. Select the **Estimate Fuel Breaks** check box to schedule fuel breaks for your trip.
    - Type the fuel tank capacity (in gallons) in the **Tank Cap** text box.
    - Type the fuel consumption rate (in miles per gallon or the distance unit you have selected in the Display tab of the Options dialog) for your vehicle in the **Fuel Rate** text box.
    - Select the amount closest to your current fuel tank level from the **Starting** level drop-down list.
    - Select the amount of fuel you would like to have in your tank when warned to stop for fuel from the **Warning Level** drop-down list.
4. Click **Apply**.

Estimating the Fuel Cost of Your Route

The Plan Trip subtab of the Route tab lets you estimate the fuel cost of your route using the fuel rate (how many gallons of fuel your vehicle uses per mile/kilometer traveled) and fuel price per gallon.

To Estimate the Fuel Cost of Your Route

Use the following steps to estimate the fuel cost of your route.

1. Create a route.
2. Click the **Plan Trip** subtab on the Route tab.
3. Click **Fuel Cost**.
4. Type the fuel rate for your vehicle in the **Fuel Rate** text box. The fuel rate can often be found in the vehicle's owners manual.
5. Type the price of your fuel in the **Fuel Price** text box.
   The estimated fuel cost (in U.S. dollars) for your route automatically calculates when the Fuel Rate and Fuel Price text boxes are completed. The estimated fuel cost for your route displays in the Total Fuel Cost field.
6. Click **Close** to close the dialog box and return to the Plan Trip subtab.

Converting a Route to a GPS Log

You can convert any route to a GPS log using right-click functionality.

To Convert a Route to a .GPL

Use the following steps to convert a route to a GPS log file.

1. Create a route.
2. Right-click the route, point to **Manage Route**, and then click **Save as GPS Log File**. The Save Route as GPS Log File dialog box opens.
3. Browse to the location where you want to save the .gpl file. The default location is *C:\DeLorme Docs\GPSLogs*.
4. Type the file name in the **File Name** text box.
5. Click **Save**.

Using GPS

GPS Overview

You can take advantage of the Global Positioning System (GPS) through an interface with most GPS receivers, such DeLorme Earthmate® devices.

Using your DeLorme application, a portable computer, and your GPS receiver, you can display a "bread crumb trail" to track your progress as you travel.

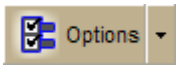
You have two ways to use GPS in your mapping application:

- **NavMode**—This is the default GPS view — a hands free full-screen view that you can display in 2-D or 3-D. By default, the Control Panel is hidden and the tabs are minimized; however, you can change your display options.
- **GPS tab view**—This option allows you to use the GPS tab to control navigating and tracking. By default, the tabs and Control Panel are visible, but you can opt to hide them. It is available only in 2-D mode.

To turn NavMode on or off, click the **NavMode** button on the toolbar. When the button appears indented NavMode is on.

Note The button is greyed out unless you have a GPS device plugged in or are playing back a GPS log file.

You can also change your GPS view in the Options dialog box:

1. Click the **Options** button 

on the toolbar and click the GPS tab.
   You can also click the **Options** button on the GPS tab.
2. Clear the **Use NavMode** check box to turn it off, or select the check box to turn it on.
3. Click **OK**.

DeLorme software interfaces with different GPS devices as outlined below.

- DeLorme GPS Devices: Any DeLorme GPS will interface with a current DeLorme software release.
- USB GPS Support: DeLorme software can use the data output from a USB GPS if the device meets one of the following criteria:
  - When the GPS is attached to the computer, it is recognized and displayed under Ports in the Microsoft® Windows® Device Manager.
  - The unit is a Garmin USB device and the Garmin drivers are installed.

  Note Magellan USB devices are not currently supported.
- Serial GPS Support: DeLorme software can use the data output from a serial GPS device. The device must be connected to a free COM port and output a generic NMEA (National Marine Electronics Association) stream.
- Bluetooth GPS Support: DeLorme software can use the data output from a Bluetooth GPS device. You must configure your Bluetooth software to create a virtual serial port.

Safety Warnings

- Bring a passenger along to serve as GPS operator while you are driving a vehicle.
- Do not use this application with automatic navigation, guidance systems or for any purpose requiring precise measurement of distance or direction.

Initializing GPS

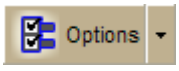
Before you can begin GPS tracking, you must connect your GPS receiver to your portable computer. Select the correct GPS receiver and change location, time, and preference settings as needed.

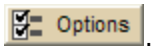
Before beginning your GPS setup, read the user manual for your GPS receiver. Also, ensure you have the appropriate cable and any necessary adapters to connect your GPS receiver to the communications port of your portable computer.

If you have an Earthmate® GPS device, it is not necessary to follow these instructions. Your device is automatically enabled when it is connected. Just click **Start GPS** to begin tracking.

To Initialize Your GPS Receiver

The initializing process can take several minutes before the program detects the correct communications (COM) port and updates the current settings. Use the following procedure to initialize your GPS receiver for use with your application.

1. Connect your GPS receiver to your computer, set the receiver to the mode specified in your user manual, and then turn the on receiver, if necessary.
2. Click the **GPS** tab and then click **Clear Trail** to delete any GPS points from the current map display.
3. Click the **Options** button 

on the toolbar (or click the menu arrow and click **Options**) and then click the **GPS Settings** tab.
OR
Click the **GPS** tab and click the **Options** button 

.
4. Select any or all of the following check boxes and click **OK** when finished. The description is for the state when the check box is selected:
   - **Use NavMode—**Enables a hands free full-screen view that you can view in 2-D or 3-D.
   - **Snap to Route—**Automatically locates the place on the route that is closest to your vehicle's current location.
   - **Start GPS Log—**Automatically generates a GPS log.
   - **Use High-Contrast Colors—**Automatically enables high-contrast map colors.
   - **Magnify Map**—Automatically magnifies the map view to the specified magnification (125%, 150%, 175%, or 200%).
   - **Recenter Map on GPS—**Automatically centers the map on the GPS.
   - **Rotate Map in GPS Direction—**Automatically rotates the 2-D/3-D map in the direction of travel. Direction of travel always displays as the top of the screen, regardless of compass direction.

- **Auto Zoom To Turn—**Automatically pans and zooms the map to display both the current GPS position and the position of the next turn. Select a data zoom level from the **Minimum/Maximum Zoom** drop-down lists to stop the map from zooming out/in further than you want it to when approaching the next turn.
- **Show GPS Bread-Crumb Trail—**Automatically displays your GPS progress on the map as a "bread-crumb" trail up to the maximum specified number of points. 5000 points is approximately one hour and 20 minutes worth of points. This setting does not affect the number of points captured in the GPS log file.
- **Enable GPS Voice Navigation—**Provides spoken directions when tracking a route with a GPS receiver.
- **Recalculate When Off Route—**Automatically recalculates the route by the designated threshold distance when the GPS is off of the route.
- **Display GPS Overview (2-D only)—**When selected, opens the GPS overview window after the GPS is connected. You can adjust the size of the map and overview areas. The overview map does not display when you use NavMode in 3-D.
- **Disable Screen Saver—**Overrides the system screen saver so that the display stays activated during GPS tracking.
- **Start GPS with the Program—**Automatically starts GPS tracking each time you open the program.
- **Automatically Detect GPS—**Automatically sets up your GPS connection.
  Suggestion: If your GPS receiver has a USB cable, select Automatically Detect GPS to ensure the correct COM port is detected for your device and that a connection can be made.
- **Enable WAAS Use—**This option is only available only when Earthmate is the selected device (see step 4A). Enables WAAS use. This option is selected by default.
- **Enable LED on GPS Device—**This option is available only when Earthmate is the selected device. Turns on the LED on the Earthmate. When the check box is cleared, the LED on the Earthmate does not display. This option is selected by default.

OR

Use the following procedures to manually configure your GPS connection. Click a procedure to view the step-by-step directions.

- Select the correct GPS device

  Use the steps below to select the correct GPS receiver and settings.

  1. Connect your GPS receiver to your computer, set the receiver to the mode specified in your user manual, and then turn the receiver on.
  2. Click the **Options** button

 and then click the **GPS Settings** tab.
  3. From the **Device** drop-down list, select the type of GPS receiver you are using. If your device is not listed, select Generic NMEA.

Note The Settings text box automatically displays the default settings for the selected device.

4. From the **Port** drop-down list, select the communications port you are using to attach the GPS receiver to your computer. See your computer manual for further information.

- Manually change the location coordinates

  Each time you track with GPS, the initialization process uses the coordinates from the last initialized location.

  Use the following steps to change these coordinates to those of your choice.

  1. Connect your GPS receiver to your computer, set the receiver to the mode specified in your owner manual, and then turn the receiver on.
  2. Click the **Options** button

 and then click the **GPS Settings** tab.
  3. Under **GPS Options**, verify that the **Automatically Detect GPS** check box is cleared.
  4. Type the coordinates in the text boxes.
     Note Coordinates display in the format specified in the Display tab of the Options dialog box.
     OR
     Click **Use Map Center** to set the coordinates to the latitude and longitude of the current map center.

- Update the date/time options

  You can use the date and time on your computer or you can change the date and time settings used by the GPS device to those of your choice.

  Use the following steps to change the date and/or time settings.

  1. Connect your GPS receiver to your computer, set the receiver to the mode specified in your user manual, and then turn the receiver on.
  2. Click the **Options** button

 and then click the **GPS Settings** tab.
  3. To use the date and time on your computer, select the **Use Current System Date/Time** check box.
     OR
     To use the time and date of your choice, clear the **Use Current System Date/Time** check box, and then:
     - To manually set the time, select the time zone from the **Zone** drop-down box, and if Daylight Saving Time is currently in effect where you are, select the **DST** check box. Then, use the scroll box to select the desired time.
       Note Time is displayed in 24-hour format, with Midnight as 00:00:00.
     - To manually set the date, click the down arrow next to the **Date** field and select the date from the calendar.

5. Click **OK** to exit the Options dialog and return to the GPS tab in the tab area.

6. Click **Start GPS**.
   Your GPS receiver begins acquiring satellite data and the GPS Status dialog area displays.

Notes

- The status of your GPS connection displays on the screen. Once your GPS receiver acquires a fix on your location, your position on the map displays as a yellow or green dot that changes to an arrow as you travel. For more information, see Monitoring Your GPS Status.
- While your receiver is acquiring data, many red dots display on your map (except with Magellan receivers). You may have to zoom in to see them clearly. These red dots are positioned at the readings taken by the GPS receiver as it is acquiring data.
- Magellan receivers do not display any data until you are moving.
- If you have the HotSync® manager loaded in the startup (the default configuration), it reserves the COM port. If that is the one where the GPS receiver is attached, you must exit HotSync manager for the GPS receiver to initialize. To do this, right-click the HotSync icon on the taskbar and select **Exit** from the shortcut menu. If you have two COM ports, verify the correct COM port is selected for use with your application. This pertains to older devices.
- Any questions or problems regarding the operation of your GPS receiver should be directed to its manufacturer.

Using NavMode or GPS Tab View

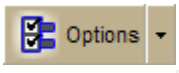
The default GPS view is NavMode — a hands free full-screen view that you can display in 2-D or 3-D. By default, the Control Panel is hidden and the tabs are minimized; however, you can change your display options.

The GPS tab view option allows you to use the GPS tab to control navigating and tracking. By default, the tabs and Control Panel are visible, but you can opt to hide them. It is available only in 2-D mode.

To turn NavMode on or off, click the **NavMode** button on the toolbar. When the button appears indented , NavMode is on.

Note The button is greyed out unless you have a GPS device plugged in or are playing back a GPS log file.

You can also change your GPS view in the Options dialog box:

1. Click the **Options** button  on the toolbar and click the GPS tab.
   You can also click the **Options** button on the GPS tab.
2. Clear the **Use NavMode** check box to turn it off, or select the check box to turn it on.
3. Click **OK**.

See the NavMode tutorial on page 41 for more information.

Tracking a Route with GPS

When tracking, you can follow along a road route you created. As you travel, the current leg, or segment, of your route is highlighted on the map.

Notes

- To automatically recalculate your route when off track, on the Route tab, select the **Auto** check box next to the **Back on Track** button on the New/Edit subtab. If you do not want the program to automatically recalculate your route when off track, clear the **Back on Track** check box and click **Back on Track** whenever you want to recalculate the route based on the current GPS position.
- If you want to create a log of your travels, select the **Start GPS Log** check box in the GPS tab of the Options dialog to log automatically. Or, click the **Record** button in the GPS Log subtab to log manually.
- The Turns option is available only during GPS tracking.

To Start GPS Tracking

Use the following steps to track your movement as you travel.

1. Create a route.
   Important If the current map file includes hidden routes, they may recalculate if you selected the Auto Back on Track check box or if you selected the Recalculate When Off Route check box in the GPS Settings. To ensure this does not occur, clear these check boxes or delete the routes you do not want to recalculate.
2. Connect your GPS device to your computer.
3. Initialize the device. This step is not necessary if you are using an Earthmate GPS device.
4. In NavMode, click the **GPS** button on the toolbar.
   Click here to see a description of the screen display.
   OR
   In GPS tab view, click the **GPS** tab and then click the **Status** subtab. For more information, see Monitoring Your GPS Status. Then, click **Start GPS** or click the **GPS** button on the toolbar.
   Click here to see a description of the Show Turns area on the Route tab.
   - **Next Turn**—Displays the next turn and a turn graphic indicating the direction; the distance to the next turn, based on the units selected on the Display tab in the Options dialog box; and the time to the next turn.
   - **Next Stop**—The distance and estimated time to the next stop.
   - **Finish**—The distance and estimated time to the finish.

   Click the **Show More Turns** button to view information for the turn after the following turn.

   click **Show List** to return to the Directions dialog area.

- **Compass**—The default map setting is North up in 2-D and in the GPS direction in 3-D. To change the compass, select or clear the **Rotate Map in GPS** option on the GPS tab in the Options dialog box.
- **Next Turn**—The distance to the next turn, based on the units selected on the Display tab in the Options dialog box.
- **Dist to Finish**—The distance to the finish point on your route, based on the units selected on the Display tab in the Options dialog box.
- **ETA**—The estimated time of arrival at the finish of your route. This is based on the time and time zone set on your computer. If your trip goes beyond the current day, the day of arrival also displays. The ETA does not include any layover time at a stop.
- **GPS Fix**—Indicates if your GPS fix is 2D or 3D. If you do not have a fix or if the GPS is acquiring a fix, "No Fix" displays.
- **Speed**—Displays the speed you are traveling, based on the units selected on the Display tab in the Options dialog box.
- **Heading**—Displays as degrees T (True North) or M (Magnetic North) based on the bearing selected on the Units area in the Options dialog box.
- **Radar Results**—If you are using GPS Radar, an orange bar displays the closest search result. Click **Stop Here** to insert a stop into your route. Click **More Info** to open the GPS Radar subtab on the Find tab and get more information about the result. Click **Stop Radar** to stop searching.
- **Progress Bar**—The progress bar displays below the orange bar. It shows how far along you are in your route by distance.
- **Turns**—The blue area at the bottom of the screen shows the next turn in large text and the following turn in smaller text. An arrow showing the direction of each turn displays next to the text.
- **Zoom In/Out**—Click the plus sign in the Show Turns area to zoom the map in. Click the minus sign to zoom the map out.
- **3-D/2-D View**—To view the map in 3-D, click **3-D**. If you are viewing the map in 3-D, click **2-D** to view the map in 2-D.

To Stop GPS Tracking

In NavMode, click the **GPS** button on the toolbar.
In GPS tab view, click the **GPS** tab and then click **Stop GPS** or click the **GPS** button on the toolbar.

Getting Back on Track When Off Course

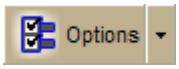
To automatically recalculate your route when off course, select the **Auto** check box next to the Back on Track button in the Route tab. If you do not want the program to automatically recalculate your route when off track, clear the **Auto** check box and click the **Back on Track** button to manually recalculate the route.

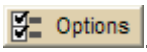
Panning the Map Automatically While GPS Tracking

When using this DeLorme application with a GPS receiver to track a route, your map automatically pans and redraws as you travel, always indicating your position on the map when Center on GPS is activated.

To Pan the Map Automatically

The following procedure demonstrates how the check box and button work together to automatically pan the map.

1. Click the **Options** button 

on the toolbar (or click the menu arrow and click **Options**) and then click the **GPS Settings** tab.
OR
Click the GPS tab to open it and click the **Options** button 

.
2. Under **When Tracking**, clear the **Recenter Map on GPS** check box. If you pan the map manually during GPS tracking, **Center on GPS** displays in the Control Panel.
OR
Select the **Recenter Map on GPS** check box. If you pan the map manually during GPS tracking, the map automatically re-centers itself on your location after 5 seconds.
3. Click **OK**.
4. Click the **GPS** tab and click **Start GPS**.
OR
Click the **GPS** button on the toolbar.

Notes

- The **Center on GPS** button displays and is activated by default on the Control Panel when the Recenter Map on GPS option is selected.
- If you deactivate the Center on GPS button, you can continue to manually pan the map or use the search function in the Find tab.
- When you are done with other tasks, click **Center on GPS** in the Control Panel to resume tracking.

Playing Back a Log File

After you log a route with your GPS receiver, you can play it back in the mapping application and review your entire journey on-screen.

Your log will play back in NavMode unless you have it turned off. For more information, see Using NavMode or GPS Tab View.

Notes

- You cannot play back a log file if you are currently tracking with a GPS receiver.
- Zooming in on the map allows you to see the log file in greater detail.
- When you play back a log file in NavMode, the tab area is not minimized; this allows you to control the playback.

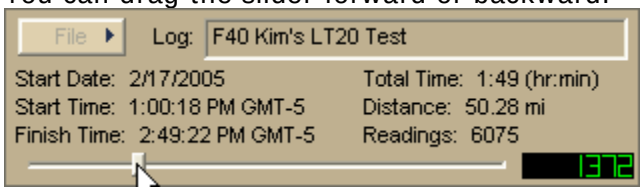
To Play Back a Log File

Use the following steps to play back and review a log file.

1. Click the **GPS** tab and then click the **GPS Log** subtab.
2. Click **Clear Trail** to clear any existing GPS points from the map display.
3. Click **File** and then click **Open**.
4. Single click the file you want to view.
   The bottom of the Open a GPL File dialog box opens the start location, start time, start coordinate, total distance, duration, finish location, finish time, finish coordinate, and the number of readings for the selected log. Log files have .gpl extensions and are saved by default in the *C:\DeLorme Docs\GPSLogs* directory.
5. Click **Open**.
6. Click the **Play** button to begin playing back your log.
   OR
   Drag the slider in the **Progress Bar** (see graphic at the end of this topic) to the point in the log you want to play.
   Note Playing back a log file defaults to 1x, which occurs in real time and takes the same amount of time as the original trip did; for example, if your trip took six hours, the on-screen tracking process also takes six hours.

You can also:

- From the **Playback Speed** drop-down list, select an option (**2x**, **5x**, **10x**, **25x**, or **50x**) to increase the tracking speed accordingly.
- Click the **Pause** button to pause the tracking of the log file. The Pause button turns blue to indicate the file is paused. Click the **Play** button to continue playing back the file.
- Click the **Stop** button to stop the play back. To start the file over, click the **Play** button again.
- Click and hold the **Rewind** button to rewind the log file to a particular point.
- Click and hold the **Forward** button to fast forward the log file to a particular point.
- Drag the slider in the **Progress Bar** to view a particular point in the log. You can drag the slider forward or backward.



Previewing a GPS Log File

There are two ways to view an existing GPS log. You can play it back and watch it in real time (point-by-point), or you can preview it and view the entire log area without waiting for the playback to finish.

To Preview a Log File

Use the following steps to preview a log file.

1. Click the **GPS** tab and then click the **GPS Log** subtab.
2. Click **Clear Trail** to clear any existing GPS points from the map display.
3. Click **File** and then click **Open**.
4. Single click the file you want to view.
   The bottom of the Open a GPL File dialog box opens the start location, start time, start coordinate, total distance, duration, finish location, finish time, finish coordinate, and the number of readings for the selected log.
5. Click **Open**.
6. Click **File** and then click **File Preview**.
   The map centers on your log location.

Viewing File Details for a GPS Log

If you want more information about your GPS log than just seeing where you've been on the map, the File Details feature in the GPS Log subtab can give you a variety of information about your journey.

For even more specific information about your log, simply play back or preview your log and then right-click a specific GPS point on the map to learn the date and time the point was obtained as well as the speed, bearing, elevation, and GPS status for that particular point.

To View File Details for a GPS Log

Use the following steps to view log file details.

1. Click the **GPS** tab and then click the **GPS Log** subtab.
2. Click **Clear Trail** to clear any existing GPS points from the map display.
3. Click **File** and then click **Open**.
4. Select the file you want to view details for and then click **Open**.
5. Click **File** and then click **File Details**. A dialog box opens the following information about your log:
   - Start time
   - Acquisition time
   - Finish time
   - Distance
   - Average speed
   - Maximum speed
   - Average elevation
   - Minimum elevation
   - Maximum elevation
   - Average GPS status
   - Number of the times the GPS fix was lost
   - Number of readings that were obtained
   - Acquisition street

- Acquisition location
- Finish street
- Finish location
- Acquisition coordinate
- Finish coordinate
- Time from start to finish
- Time for acquisition
- Time from initial acquisition to finish
- Time moving
- Time stopped
- File owner
- File comments
- File path
- File size

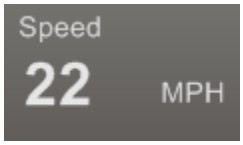
6. Click **OK** to exit the dialog box.

Monitoring Your GPS Status

Once you initialize your GPS and begun tracking, you can continue to monitor the status of your GPS connection and other information. Status information accuracy is affected by speed (3 mph or more) and your GPS status. 3-D status provides the most accurate information.

To Monitor Your GPS Status in NavMode

Speed

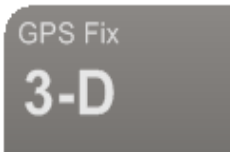


Displays the speed you are traveling based on the units you selected on the Display tab in the Options dialog box.

Heading

Displays the direction you are traveling in as degrees T (True North) or M (Magnetic North) based on the bearing selected on the Units area on the Display tab in the Options dialog box. Heading is provided as a numerical value as well as a compass direction.

GPS Fix



No GPS—Displays "No Fix."

Acquiring—Displays "No Fix."

2-D—Displays "2-D."

3-D—The GPS receiver is receiving sufficient satellite data to determine your location. When the status reads 3-D, your current heading and traveling speed are displayed.

Note If you are tracking with a WAAS-enabled device, a 3-D

fix displays as "3-D DGPS."

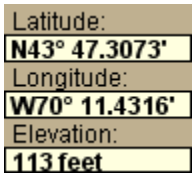
To Monitor Your GPS Status in GPS Tab View

Speed and Heading

Speed—Displays the speed you are traveling based on the units you selected on the Display tab in the Options dialog box.

Heading—Displays the direction you are traveling as degrees T (True North) or M (Magnetic North) based on the bearing selected on the Units area on the Display tab in the Options dialog box. Heading is provided as a numerical value as well as a compass direction.

Coordinates/Elevation



Coordinates—The coordinate fields display based on the units you selected on the Display tab in the Options dialog box.

Elevation—Displays the current elevation if the GPS status is 3-D and is based on the selected Units preference. Elevation can be displayed with a 2-D status; your position is indicated accurately on your screen as you travel unless you are in an area where your elevation varies greatly.

GPS Status

No GPS—A red circle with a slash indicates the GPS receiver is not yet detected by your computer. This status usually displays when initialization first begins.

Acquiring—A red blinking circle indicates the GPS receiver is not yet receiving sufficient satellite data to determine your position. This status displays while the GPS receiver is acquiring satellite data and can take several minutes.

2-D—A yellow circle indicates the GPS connection is successful but there is insufficient satellite data to determine your GPS position. This usually indicates insufficient data for an accurate location due to:

- Only three satellites being used
- Poor signals from the satellites.

Move your receiver to another location until you get better reception.

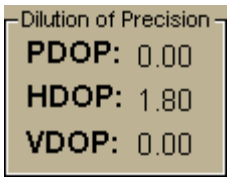
3-D—A green circle indicates the GPS receiver is receiving sufficient satellite data to determine your location. When the status reads 3-D,

your current coordinates, elevation, and heading are displayed, along with the speed you are currently traveling.
Note If you are tracking with a WAAS-enabled device, a 3-D fix displays as "3-D DGPS."

Monitoring GPS Satellite Information

Click **Sat. Info** in the GPS tab to view the current satellite status. Sat. Info is a toggle button that switches to Status. Click **Status** to return to the original Status dialog area.

Dilution of Precision



The Dilution of Precision area lists your Position Dilution of Precision, your Horizontal Dilution of Precision, and your Vertical Dilution of Precision. For definitions of these terms, see Glossary Terms.

Satellite Listing

The Satellite Listing window displays the satellites that are currently visible in the sky. The columns list the satellite number, elevation, azimuth, and signal-to-noise ratio.

Satellite Listing information is only available for DeLorme receivers and NMEA-compatible receivers.

Almanac

When using a DeLorme GPS receiver, the Almanac window displays the satellite number and its current status.
N—Indicates the satellite is being used for navigation.
E—Indicates ephemeris data is available for the satellite.
T—Indicates the satellite is currently being tracked by your GPS receiver.
D—Indicates differential data is available for that satellite.
Notes

- Differential data is available on WAAS-enabled devices.
- Almanac information is available only for DeLorme receivers.

Skyview

The Skyview diagram indicates visible satellites, their number (assigned by the Department of Defense), and their position in the sky relative to your current position. Each satellite is color coded, based on the quality of data it is transmitting.

Gray—Indicates the satellite's position in the sky.

Red—Indicates your GPS receiver is tracking the satellite but it is not receiving data from it.

Yellow—(DeLorme GPS receivers only) Indicates your receiver is tracking the satellite, ephemeris data is available, but the satellite is not being used for navigation.

Green—Indicates your GPS receiver is tracking the satellite, ephemeris data is available, and the satellite is being used for navigation.

Dark Green—(WAAS-enabled receivers only) Indicates your receiver is tracking the satellite, ephemeris data is available, the satellite is being used for navigation, and the satellite has DGPS and WAAS corrections available.

Blue—(WAAS-enabled receivers only) Indicates a WAAS satellite used for corrections.

Viewing Sun and Moon Information

You can use the Sun/Moon subtab in the GPS tab to view information about the rising and setting of the Sun and Moon relative to a specified date, time, and location.

To View Sun and Moon Information

Use the following steps to view Sun and Moon information in the GPS tab.

1. Click the **GPS** tab.
2. Click the **Sun/Moon** subtab.
3. Click the down arrow next to the date to change the date.
4. Use the scroll arrows to change the time.
5. After you update the date and time, you can view:
    - The Sun and Moon traveling across the compass as time passes with the Sun/Moon compass. In the center of the compass, a shadow grows and shrinks and changes direction as the Sun moves across the compass (similar to a sun dial).
    - Sun rise/set and Moon rise/set information.
    - Moon cycle information (such as the day of the moon cycle and the phase).

About GPS

What is GPS?

The Global Positioning System (GPS) applies modern technology to the ancient basics of navigation. The U.S. Department of Defense has developed and launched a series of positioning satellites in an orbiting constellation. These satellites are used as reference points much the same way stars have been used in conventional navigation.

Using these satellites, a GPS receiver can determine your position anywhere on the globe. GPS provides accurate information about coordinate position, elevation, speed, and direction of travel. Many people have discovered the benefits of GPS for tracking vehicles, recording routes, and much more.

How Does GPS Work?

The GPS constellation consists of 24 satellites, each carrying several atomic clocks to ensure the most accurate time possible. The satellites broadcast low-power radio waves containing the satellite's identity code and the exact time (to the nanosecond) that the message was sent.

When a GPS receiver picks up a satellite signal, it identifies the satellite and compares the signal time with its own clock. The time difference represents the time it has taken for that radio wave to travel from the satellite to the receiver. Since radio waves travel at the speed of light, the time difference can be used to calculate the distance from the satellite to the GPS receiver.

The satellite's identity code provides the location of the satellite, and the distance to the receiver creates a sphere of possible locations for the GPS receiver. Without more information, the receiver only knows that it is located somewhere on that sphere.

Two additional satellites are necessary to narrow down the receiver's possible position. Each of these satellites sends a similar radio message containing time and identity information. The GPS receiver checks the orbital location of each satellite and uses the elapsed time to create two additional spheres of possible locations. These three spheres intersect at two points; however, one of these points is eliminated because it is far away from the earth's surface. Therefore, the second point is assumed to be correct. The data from these three satellites provides the receiver with a two-dimensional location.

Data acquired from a fourth satellite pinpoints the receiver's exact location. This additional positioning information allows the GPS receiver to calculate its elevation, which is particularly important for GPS users in mountainous locations.

GPS Position Accuracy

The accuracy of the data your GPS receiver provides is dependent upon many factors, including the quality of your equipment. A low-quality clock within the receiver decreases the accuracy of your location. The atmosphere, the ionosphere, and the number of channels your receiver can handle all affect the accuracy of your system. Consult your GPS hardware manuals for information on how your receiver adjusts for errors.

Any buildings, natural structures, or heavy foliage that obstruct the GPS antenna's view of the sky prevent satellite signals from reaching the receiver and decreases the accuracy of your position.

Your accuracy will also depend on your level of clearance with the U.S. Department of Defense. There are two available radio signals that receivers can use: the Standard Positioning Service (SPS) for civilians and the Precise Positioning Service (PPS) for military and authorized personnel.

Using Voice Navigation and Speech Recognition

Voice Overview

To use voice navigation, you must have a 2-D or 3-D GPS fix and a route calculated.

Using the speech recognition and text-to-speech technology included in your application, you can issue a series of voice commands to a laptop computer. The voice commands activate basic navigation, map control, and GPS features, providing you with hands-free program navigation so you can concentrate on your driving. When tracking with a GPS receiver, you can receive spoken updates about your route directions, next turn, next stop, current location, etc.

Notes

- The Voice label on the Voice tab displays red when the microphone is activated.
- Your application comes equipped with Microsoft® English Recognizer Version 5.1. You can also use other speech recognition engines that you may have purchased separately from other software companies. Such speech recognition engines must support SAPI 5.1 to be available to you in your application. See the Speech settings in the Windows® Control Panel for more information about your engine.
- If you have purchased other "voices" (text-to-speech engines) that are SAPI 5.1-compatible, they are available in your application.
- You must have a microphone attached to your computer to use speech recognition (for input).
- For tips on using the speech recognition feature and setting up your microphone, see Speech Recognition Tips.
- If you are having difficulty hearing the voice output, adjust the volume on your external speakers or adjust your computer's volume using the settings in the Windows Control Panel.
- If you chose the custom installation option when you installed your application, you were asked whether or not to install a speech recognition engine for voice input. If you want to use voice input and selected not to install a speech recognition engine when you installed the program, you must uninstall and then reinstall the application, making sure to select to install the speech recognition engine.
  Notes
  - The speech recognition engine is automatically installed on Windows Vista™ operating systems.
  - If you have another DeLorme product installed and already opted to install the speech recognition engine, you may not see the option to install it again.

Voice Options Overview

The following topics explain the functionality of the Voice section of the Options dialog box:

- Voice Overview
- Activating and Monitoring Speech Recognition
- Training the Speech Recognition Engine
- Voice Commands
- Speech Recognition Tips
- Changing Voice Output
- Voice Preferences
- Voice Prompts

Activating and Monitoring Speech Recognition

To use voice navigation, you must have a 2-D or 3-D GPS fix and a route calculated.

Use the Voice tab to view status information about your microphone and the list of available voice commands.

- The Microphone bar (VU meter) indicates the level of sound received from the microphone.
- The Command Status area displays either the last recognized voice command or one of the following error messages:
  - Too noisy
  - No signal
  - Input too loud
  - Input too quiet
- The Commands box lists the voice commands for accessing the Voice tab, navigating, using the map, and using GPS. It shows the availability of the commands and their shortcut keys. You can double-click a command to issue it.

To Activate and Monitor the Speech Recognition Feature

Use the following steps to activate and monitor the speech recognition feature.

1. Click the **Voice** tab.
2. Select the **Microphone** check box to activate your microphone and to turn on the speech recognition feature.
   The tab name turns red if the microphone is listening to your commands.
   Note If your microphone is active when you exit the program, it will still be active when you re-enter the application.
3. To trigger an audible signal when a voice command is recognized, select the **Beep When Heard** check box.
4. To display all of the possible voice commands, including variations of the commands, select the **Show All Commands** check box.
   Both enabled and disabled commands are displayed.

Note Some commands are disabled if a route is not calculated or if the GPS is not initialized.

Training the Speech Recognition Engine

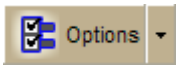
To use voice navigation, you must have a 2-D or 3-D GPS fix and a route calculated.

You should train the speech recognition engine to provide good speech recognition results. Before training, ensure your microphone is active and the speech recognition feature is on. For more information, see Activating and Monitoring Speech Recognition.

To Train the Engine to Recognize Your Speech Patterns

You should train the speech recognition engine to recognize your specific speech patterns. This is often done by reading a predetermined piece of text supplied by the creator of the speech recognition engine. If the engine supports multiple user models, you can train the engine to recognize more than one speech pattern.

Use the following steps to train the speech recognition engine to recognize your speech patterns.

1. Click the **Options** button 

on the toolbar.
   OR
   Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.
2. Click the **Voice Settings** tab.
3. Select the microphone you intend to use from the **Microphone** drop-down list.
4. Select your preferred user voice model from the **User Profile** drop-down list.
   Note To create a new speech recognition profile for each of your working environments (noisy, quiet) and users (your spouse, your child), click **Speech** in the Windows® Control Panel.
5. Select your preferred speech recognition engine from the **Recognizer** drop-down list.
   Note Select the most recent version available in the drop-down list.
6. Click **Speech Profile Training** to display the speech training wizard specific to your speech recognition engine.
   Note This feature is available only if it is supported by your speech recognition engine.
7. Follow the on-screen instructions.

Tips

For best results:

- Use a close-talk microphone that rests near the side of your mouth instead of a desktop or built-in microphone.
- Train the speech recognition engine in the same environment in which you will use it. For example, if you use the engine mostly in the car, perform training in the car. Perform three training sessions to get the best results.

- When training, speak the same voice as you will when giving voice commands to the computer. Speak distinctly and at an average speed, as if giving a command.
- Use the Microphone Wizard to ensure your microphone is working correctly and to view tips on microphone selection and placement. To use the wizard, click **Microphone Setup** on the Voice tab of the Options dialog. Or, from the Start menu on your computer, browse to the Control Panel and double-click the **Speech** icon to open the Speech Properties dialog box.
- To increase the likelihood of correct speech recognition, on the Voice Settings tab in the Options dialog box, select the **Commands start with** check box and then type the appropriate word/phrase in the text box (if using a single word, use a word with more than one syllable). For example, if you type **computer**, you would then say "Computer, zoom in."

Voice Commands

To use voice navigation, you must have a 2-D or 3-D GPS fix and a route calculated.

Your application includes Route, Map, GPS, and Voice tab control commands. Select the **Show All Commands** check box to view all options, including those which are variations or unavailable.

Route Tab Commands

The following table shows navigation voice commands for the Route tab. If there is a keyboard shortcut available, it is listed after the command.

Spoken Command	Response
What is the next turn? (F5)	Speaks the next turn name, time to turn, distance to turn, bearing to turn, and turn direction. Displays the Directions subtab in the Route tab.
What's the next turn? (F5)	
Next turn. (F5)	
Show next turn. (F6)	Displays current location and next turn. Displays the Directions subtab in the Route tab.
Center on next turn.	Centers map on the next turn. Displays the Directions subtab in the Route tab.
What is the next stop?	Speaks the next stop name, distance to stop, bearing to stop, and time to stop. Displays the Directions subtab in the Route tab.
What's the next stop?	
Next stop	
Show next stop. (F7)	Displays current location and next stop. Displays the Directions subtab in the Route tab.
Center on next stop.	Centers map on the next stop. Displays the Directions subtab in the Route tab.

After that.	Speaks the next stop or turn information, depending on the previous spoken direction.
Are we there yet?	Speaks the finish name, time to finish, and distance to finish.
Show finish. (F8)	Displays current location and finish on the map.
Center on finish.	Centers map on the finish. Displays the Directions subtab in the Route tab.
Directions.	Speaks the next turn, next stop, finish, name, time, and distance. Displays the Directions subtab in the Route tab.
Where am I?	Speaks current route segment, heading, speed, town, county, and state.
Coordinates.	Speaks the coordinate of your current location.
Shush.	Silences GPS voice navigation, but does not turn it off.
Be quiet.	Silences GPS voice navigation, but does not turn it off.
Voice nav on. (F2)	Turns voice navigation (spoken turn directions) on.
Voice nav off. (F2)	Turns voice navigation (spoken turn directions) off.
Show route.	Displays your route on the map.
Back on track.	Adds current GPS location as a stop and recalculates the route.
Continue route from here. (F9)	Adds current location as a stop and recalculates the route.
Show turns.	Activates the Show Turns dialog area in the Route tab.
Show directions.	Activates the Directions subtab in the Route tab.
Show list.	

Map Commands

The following table shows main map voice commands. If there is a keyboard shortcut available, it is listed after the command.

Spoken Command	**Response**
Pan left. (ALT+Left)	Pans (or scrolls) the map left.
Scroll left. (ALT+Left)	
Pan right. (ALT+Right)	Pans (or scrolls) the map right.
Scroll right. (ALT+Right)	
Pan up. (ALT+UP)	Pans (or scrolls) the map up.
Scroll up. (ALT+UP)	
Pan down. (ALT+DOWN)	Pans (or scrolls) the map down.

Scroll down. (ALT+DOWN)	
Zoom in. (ALT+PAGE DOWN)	Zooms in one level.
Zoom out. (ALT+PAGE UP)	Zooms out one level.
Zoom in <#> times.	Zooms in the specified number of levels.
Zoom out <#> times.	Zooms out the specified number of levels.
Zoom level <#>.	Zooms to specified level.
Previous map.	Displays the previous map.
Go back.	

GPS Tab Commands

The following table shows GPS voice commands. If there is a keyboard shortcut available, it is listed after the command.

Spoken Command	**Response**
Start GPS. (CTRL+G)	Starts GPS tracking.
Stop GPS. (CTRL+G)	Stops GPS tracking.
GPS status.	Displays the GPS Status subtab.
Monitor GPS.	Displays the GPS Monitor subtab.
GPS Monitor.	
Center on GPS. (ALT+P)	Recenters the map on the current GPS location.
Stop centering on GPS. (ALT+P)	Stops the map from recentering on your current GPS location.
Stop center on GPS. (ALT+P)	
Clear GPS.	Clears the GPS "bread crumb trail" from the map.
Autorotate map on. (ALT+R)	Turns automatic map rotation on.
Autorotate map off. (ALT+R)	Turns automatic map rotation off.
Autozoom map on. (ALT+Z)	When GPS tracking, turns automatic zoom on.
Autozoom map off. (ALT+Z)	When GPS tracking, turns automatic zoom off.

Voice Tab Commands

The following table shows Voice tab voice commands and the response. If there is a keyboard shortcut available, it is listed after the command.

Spoken Command	Response
What can I say?	Displays the Monitor dialog box.
More commands.	Displays next page of voice commands.
Repeat last command.	Repeats your last spoken command.

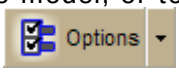
Speech Recognition Tips

To use voice navigation, you must have a 2-D or 3-D GPS fix and a route calculated.

The following tips provide information on using the speech recognition feature and setting up your microphone.

- Speech recognition is only active when your application is the active window.
- Commands become enabled based on your current GPS status, your data zoom level, and other factors. Enabled commands do not have a red "x" in their icon.
- Disabled commands display a red "x" in their icon.
  Note Some commands are disabled if a route is not calculated or if the GPS has not been initialized.
- Avoid noisy environments when using voice command navigation.
- Use a close-talk microphone for best speech recognition results.
- Properly position your microphone to achieve the best speech recognition results. For a close-talk microphone, the recommended position is a thumb-width from the corner of your mouth and slightly to the side. For more information, see the note at the end of this topic.
- When issuing commands to the computer, use the same tone that was used when during the speech recognition engine training.
- Keep the microphone as far as possible from the car radio or console, computer speakers, or other speakers.
- If your microphone is near your speakers, and you are using the microphone together with voice reminders (GPS VoiceNav), the program may recognize some of the words that it is speaking and react to them. Here are ways to eliminate this problem:
  - Make sure that you have chosen the Voice Output device (speakers, headset) and the Input device (on-board microphone, headset microphone) that you intend to use with DeLorme GPS voice navigation. Use the selections that are available in the Voice settings tab in the Options dialog box.
  - If more than one speech recognizer is available in the drop-down list, choose the most recent (highest version number).

- Your best speech recognition responses will always be to use a close-talk microphone with voice output using the laptop speakers rather than a headphone speaker so that the computer will not "hear itself."
- If you are speaking with someone else in the room, have a radio or television on, and so on, the computer may think those sounds are commands to follow. Select the Microphone check box on the Voice tab only when you intend to use it. If you exit the program with the Microphone check box selected, the program will start speech recognition again when you restart the program. Voice recognition requires a lot of disk space and slows down the system if you are not using it. Remember: the Voice tab displays with red font whenever the microphone is listening.
- Use the Commands Start With feature in the Voice tab in the Options dialog to clearly distinguish commands from other noise and speech. Set the Commands Start With phrase to something like “computer” or “Simon Says” to reduce the chances of an unexpected command recognition. When choosing a phrase, make sure that it is more than one syllable. The phrases "Computer" or "Simon Says" work well. But the simple word "Map" probably will not.
- Train the speech recognition system in the environment in which you will use it (for example, in a noisy car).

Note To find out the proper position for your microphone model, or to find tips on how to purchase a microphone, click the **Options** button 

on the toolbar (or click the arrow next to the **Options** toolbar button to open the menu; then, click **Options** to open the dialog box), click the **Voice Settings** tab, and then click **Microphone Setup**. Or, from the Start menu on your computer, browse to the Control Panel and double-click the **Speech** icon to open the Speech Properties dialog box.

Changing Voice Output

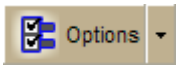
To use voice navigation, you must have a 2-D or 3-D GPS fix and a route calculated.

Your application offers text-to-speech technology so you can receive spoken updates about your route directions, next turn, next stop, current location, time to finish, or current coordinates when navigating with a GPS receiver. Text-to-speech allows hands-free navigation of the program on your computer.

Use your text-to-speech engine to change and preview the tone and quality of the computer's voice.

To Change the Voice Output

Use the following steps to change your computer's voice.

1. Click the **Options** button 

on the toolbar.
OR
Click the arrow next to the **Options** toolbar button to open the menu. Then, click **Options** to open the dialog box.

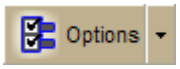
2. Click the **Voice Settings** tab.
3. From the **Voice** drop-down list box, select a voice from the list of options. A description of the selected voice displays to the right of the drop-down list box.
   Note If you have purchased SAPI 5.1-compatible voices from another software vendor, they are included in this list.
4. From the **Device** drop-down list box, select the output device from which you want to hear the computer's voice (for example, your speakers or a headset).
5. To preview the voice, click **Test Voice**, type a sample sentence, and then click **OK**.
   The sample sentence is spoken in the selected voice.
6. Use the **Voice Volume** spin box to adjust the output volume relative to the other programs you are running. By default, this is set to 100 (maximum). Note that you cannot set the volume higher than your speakers or Windows® Control Panel settings capabilities.
   Note Click Audio Controls to access additional volume settings.
7. Use the **Speaking Rate** spin box to adjust the rate at which the computer's voice will speak. A value of 50 is normal.

Voice Preferences

To use voice navigation, you must have a 2-D or 3-D GPS fix and a route calculated.

The Voice tab in the Options dialog displays a series of Engine Option buttons. These option buttons allow you to view information or change preference settings in your speech recognition or text-to-speech engines. Some speech recognition or text-to-speech engines do not support some of the preference options.

To View and Update Speech Recognition Preferences

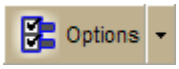
To change speech input preferences, click the **Options** button 

on the toolbar (or click the arrow next to the **Options** toolbar button to open the menu; then, click **Options** to open the dialog box), and then click the **Voice Settings** tab. The following options are available under the Speech Recognition area of the dialog box.

- **Microphone Setup**—Opens the Microphone Wizard to adjust speech recognition whenever you change microphone or noise environments.
- **Speech Profile Training—**Opens Voice Training Wizard to train the engine to recognize your speech patterns. This process may take 10–15 minutes to complete.
- **DeLorme Training—**Opens an abbreviated version of the Voice Training Wizard. This dialog trains the system on DeLorme voice commands.
- **Add/Delete Words**—Opens the Add/Delete Words Wizard with the pronunciation wizard specific to your speech recognition engine. You can enter, edit, or view the words in your pronunciation vocabulary. Use this wizard when the speech recognition has trouble understanding a specific word that you are saying.

- **Recognition Settings—**Opens the Recognition Profile Settings dialog. Use this to change preferences for sensitivity and tolerance of errors in recognizing your voice.
  Note Your application comes equipped with Microsoft® English Recognizer Version 5.1. You may have a premium version (for example, Microsoft Office 2003 installs Microsoft English U.S. Version 6.1 Recognizer). Select the most recent version.

To View and Update Voice Output Preferences

To change voice output preferences, click the **Options** button 

on the toolbar (or click the arrow next to the **Options** toolbar button to open the menu; then, click **Options** to open the dialog box), and then click the **Voice Settings** tab. The following options are available under the Voice Output area of the dialog box.

- **Test Voice**—Choose to display the preview voice dialog box for your text-to-speech engine. Type in a sentence and click **OK** to hear it spoken.
- **Audio Controls**—Choose to adjust the speaker volume for all programs on your computer. This is equivalent to the same adjustment in the Windows® Control Panel.

Voice Prompts

Directions (spoken first or alone)

Proceed…
Continue straight...
Bear right…
Bear left…
Turn right…
Turn left…
Turn hard right…
Turn hard left…
Go east…
Go west…
Go north…
Go northeast…
Go northwest…
Go south…
Go southeast…
Go southwest…

Direction distance modifiers (spoken second)

…in [distance in tenths of a mile]

Other (spoken alone)

At finish. [was: “Destination reached.”]

Last leg.
Approaching finish.
Off route.

Using Handheld Devices

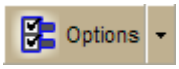
Handheld Export

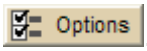
Setting Your Handheld Export Preferences

You can customize your map export options so that you export exactly the map data types and data zoom level ranges you want to view on your handheld device.

To Set Your Handheld Export Preferences

Use the following steps to customize your map cutting preferences.

1. Click the **Options** button 

on the toolbar (or click the menu arrow and click **Options**) and then click the **Handheld** tab.
   OR
   Click the **Handheld Export** tab and click the **Options** button 

.
2. Under **Export Data Zooms**, select the check box next to each map data type you want to export with the Handheld Export tab. Only connected map data types are listed.
3. Under **Zoom Range**, drag the left slider control to the minimum data zoom level at which to view the data.
4. Under **Zoom Range**, drag the right slider control to the maximum data zoom level at which to view the data.
5. Repeat steps 3 and 4 for each map data type you selected in step 2. The minimum and maximum data zoom levels display to the right of each map data type.
6. Optional. Click **Use Defaults** to return the slider controls to their default minimum and maximum values.
7. Click **OK** to accept the changes and close the Options dialog box.
   OR
   Click **Apply** to accept the changes and remain working in the Options dialog box.

Notes

- Raster imagery (such as aerial imagery, and satellite imagery) includes color-coded data zoom level suggestions under Zoom Range.
  - **Green** indicates the data zoom levels at which the data is best viewed. The default values are set to only export data zoom levels that are in the green area.
  - **Red** indicates zoom levels at which the data is available but not necessarily the best viewed.
- Exported maps include only data that is selected in the handheld export preferences and is available for that region. For example, if you have aerial imagery of only Boston, you cannot cut a map of New York City that includes aerial imagery.
- Maps with multiple data types have large file sizes. To decrease the file size when exporting multiple map data types, try exporting raster data with small

data zoom level ranges. The following list provides the optimum data zoom level ranges for each raster data type:

- Street Atlas USA 2009 Data Series 8-16 (Street Atlas USA); 8-17 (Street Atlas USA Plus)

  Street Atlas USA base map data.
- Satellite Imagery (SAT10) — 9-11

  True-color 10-meter resolution imagery from the French based SPOT satellite (Satellites d'observation de la Terre). Downloaded using the NetLink tab.
- Aerial Imagery (DOQQ) — 15-16 (Street Atlas USA); 15-17 (Street Atlas USA Plus)

  Black and white 1-meter resolution digital aerial photography. Downloaded using the NetLink tab.
- Color Aerial Imagery (DOQQ) — 13-16 (Street Atlas USA); 13-17 (Street Atlas USA Plus)

  True-color 1-meter resolution digital aerial photography. Downloaded using the NetLink tab.
- USGS Hi-resolution 133 City Imagery — 13-16 (Street Atlas USA); 13-17 (Street Atlas USA Plus)

  Color aerial imagery over the country's largest metropolitan areas with a resolution of approximately 1/3 meter (or about 1 foot).

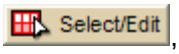
- Raster maps have very large file sizes.

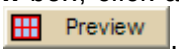
Exporting a Map to a Handheld Device

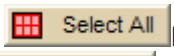
You can export maps to be used on a Palm OS® or Pocket PC handheld device.

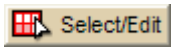
To Export a Map

Use the following steps to export a map to a Palm OS or Pocket PC device.

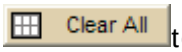
1. Click the **Handheld Export** tab.
2. To manually select the export area, choose an appropriate grid size from the **Grid Size** drop-down list (see Grid Size Comparisons for more information), click the **Select/Edit** button 

, and click grids on the map to add or remove them. Grids selected for export are shaded red.
   OR
   Select the grid size from the **Grid Size** drop-down list (see Grid Size Comparisons for more information), type a location in the **Search for and select a location** box, click a result in the results list, and then click the **Preview** button 

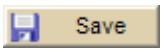
. The default export area is defined with shaded grids. Click the **Select All** 

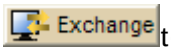
button to select the default export area or click the **Select/Edit** 

button to add or remove grids. Grids selected for export are shaded red.

   Note Click the **Clear All** button 

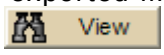
to clear the highlighted grids from the map.

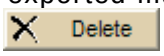
3. Type a name for your map package in the **Save your Map for Exchange** box.
4. Click **Save** 

5. Click **Exchange** 

to open the Exchange Wizard.
6. Select the device you want to send the map to from the **Device Type** list.
7. *Palm OS Users Only*:
    - Select the user you want to send the map to from the **User** list.
    - Select Main Memory or SD card from the **Destination** drop-down list.
    - Optionally select the **Draw Points** or **Active Routes** check boxes if your map includes that information.
12. Click **Prepare for Sync**. The map will be available on your handheld computer after your next synchronization operation.

Notes

- All the map packages you have saved display in the Saved Map Packages list.
- To view a previously exported map, select it from the **Saved Packages** list and then click **View** 

- To delete a previously exported map, select it from the **Saved Packages** list and then click **Delete** 

Grid Size Comparisons

When you use the Handheld Export tab to export maps, you can choose a grid size. A grid of the same size gets progressively larger in coverage (square area) the closer it is to the equator. This is because the grid system is based on the latitude/longitude coordinate system.

60 seconds = 1 minute

60 minutes = 1 degree

A 1.5 degree grid = 9 30 minute grids, 324 5 minute grids, 8,100 1 minute grids, or 202,500 12 second grids.

A 30 minute grid = 36 5 minute grids, 900 1 minute grids, or 22,500 12 second grids.

A 5 minute grid = 25 1 minute grids or 625 12 second grids.

A 1 minute grid = 25 12 second grids.

Grid Size	Factor	# of Grids	# of Grids	# of Grids	# of Grids	Display Range
1.5 degree	9 x 30 minute	1	N/A	N/A	N/A	4-16 (regular Street Atlas USA) 4-17 (Street Atlas USA Plus)

30 minute	36 x 5 minute	9	1	N/A	N/A	6-16 (regular Street Atlas USA) 6-17 (Street Atlas USA Plus)
5 minute	25 x 1 minute	324	36	1	N/A	8-16 (regular Street Atlas USA) 8-17 (Street Atlas USA Plus)
1 minute	25 x 12 second	8,100	900	25	1	11-16 (regular Street Atlas USA) 11-17 (Street Atlas USA Plus)
12 second	N/A	202,500	22,500	625	25	13-16 (regular Street Atlas USA) 13-17 (Street Atlas USA Plus)

Exchanging Information with a Third-party GPS Device

Sending Route Information to a Third-party GPS Device

If you have a compatible GPSdevice, you can use the Exchange Wizard to send route points or route directions to your device.

To Send Route Points

Use the following steps to send route points to your device.

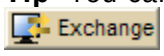
1. Connect your device to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual.
3. Click the **Exchange** button on the toolbar.
4. Under **Select Device**, select **GPS**.
5. Select **Send to Device**.
6. Select **Route Points** from the **Object** drop-down list.
7. Click **Next**.
8. From the **Route** drop-down list, select the route file that contains the route points you want to send to your device.
9. To avoid overwriting existing waypoints on your device, type a starting point for the new points and select the **Prefix a Number to the Waypoint Name** check box. Not all devices support starting points. See your device manual for more information.
10. Click **Send to Device**.

11. Repeat the steps for every route file you want to send to your device.
12. Click **Finish**.

To Send Route Directions

Use the following steps to send route directions to your GPS device.

1. Connect your device to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual.
3. Click the **Exchange** button on the toolbar.
4. Under **Select Device**, select **GPS**.
5. Select **Send to Device**.
6. Select **Route Directions** from the **Object** drop-down list.
7. Click **Next**.
8. From the **Route** drop-down list, select the route file that contains the route directions you want to send to your device.
9. Designate a route name and/or a route number for the file on the device (device dependent).
10. To avoid overwriting existing waypoints on your device, type a starting point for the new points and select the **Prefix a Number to the Waypoint Name** check box. Not all devices support starting points. See your device manual for more information.
11. Click **Send to Device**.
12. Repeat the steps for each route file you wan to send to your device.
13. Click **Finish**.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

Sending Tracks to Your Third-party GPS Device

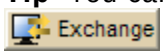
If you have a compatible GPSdevice, you can use the Exchange Wizard to send tracks to your device.

To Send Tracks

Use the following steps to send tracks to your device.

1. Connect your device to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual.
3. Click the **Exchange** button on the toolbar.
4. Under **Select Device**, select **GPS** or point to **Athletic Device** and then select your device.

5. Select **Send to Device**.
6. Select **User Map Data - Track** from the **Object** drop-down list.
7. Click **Next**.
8. Select the track file you want to send to your device from the **Track File** drop-down list.
9. Optional. Designate a track name or a track number for the file on the device.
10. Click **Send to Device**.
11. Repeat the steps for every route file you want to send to your device.
12. Click **Finish**.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

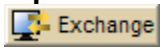
Sending Waypoints to Your Third-party GPS Device

If you have a compatible GPSdevice, you can use the Exchange Wizard to send waypoints to your device.

To Send Waypoints

Use the following steps to send waypoints to your device.

1. Connect your device to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual.
3. Click the **Exchange** button .
4. Under **Select Device**, select **GPS**.
5. Select **Send to Device**.
6. Select **User Map Data - Waypoints** from the **Object** drop-down list.
7. Click **Next**.
8. Select the waypoint file you want to send to your device from the **Waypoint File** drop-down list.
9. To avoid overwriting existing waypoints on your device, type a starting point for the new points and select the **Prefix a Number to the Waypoint Name** check box. Not all devices support starting points. See your device manual for more information.
10. Click **Send to Device**.
11. Repeat the steps for every route file you want to send to your device.
12. Click **Finish**.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

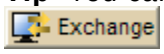
Receiving a Route From Your Third-party GPS Device

If you have a compatible GPSdevice, you can use the Exchange Wizard to receive routes created on your device. Once imported, you can use the file in your mapping program.

To Receive a Route

Use the following steps to receive a route from your device.

1. Connect your device to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual.
3. Click the **Exchange** button on the toolbar.
4. Under **Select Device**, select **GPS** .
5. Select **Receive from Device**.
6. Select **Route** from the **Object** drop-down list.
7. Select **Route** from the **Save As** drop-down list.
8. Click **Next**.
9. Select the route name or route number on the device that you want to receive.
10. Select the route file you want to add the route information to. If you want to create a new route file, select **New** from the **Route** drop-down list and type the new route name in the available text box.
11. Click **Receive from Device**.
12. Repeat the steps for every route file you want to receive from your device.
13. Click **Finish**.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

Receiving a Track From Your Third-party GPS Device

If you have a compatible GPSdevice, you can use the Exchange Wizard to receive tracks created on your device. Once imported, you can use the file in your mapping program.

Note When you open a track you've imported from your GPS device, you may notice that the track does not join existing roads. Use the select tool in the Draw tab to snap the end node of the track to a road. For more information, see Snapping Draw Objects.

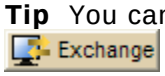
To Receive a Track

Use the following steps to receive a track from your device and save it as a track.

1. Connect your device to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your

GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual.

3. Click the **Exchange** button on the toolbar.
4. Under **Select Device**, select **GPS**.
5. Select **Receive from Device**.
6. Select **Track** from the **Object** drop-down list.
7. Select **User Map Data - Track** from the **Save As** drop-down list.
8. Click **Next**.
9. Select the track name or track number on the device that you want to receive. Not all devices support downloading individual track logs. See your device manual for more information.
10. Select the track file you want to add the track information to. To create a new track file, select **New** from the **Track File** drop-down list and type the new track file name in the **New Track File** text box.
11. Optional. Type a label for your track in the **Track Label** text box.
12. Click **Receive from Device**.
13. Repeat the steps for every track file you want to receive from your device.
14. Click **Finish**.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button  on the GPS tab or the Handheld Export tab.

Receiving Waypoints From Your Third-party GPS Device

If you have a compatible GPSdevice, you can use the Exchange Wizard to receive waypoints created on your device and save them as a draw file or as a waypoint file. Once imported, you can use the file in your mapping program.

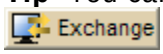
To Receive Waypoints as a Waypoint File

Use the following steps to receive waypoints from your device.

1. Connect your device to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual.
3. Click the **Exchange** button on the toolbar.
4. Under **Select Device**, select **GPS**.
5. Select **Receive from Device**.
6. Select **Waypoints** from the **Object** drop-down list.
7. Select **User Map Data - Waypoints** from the **Save As** drop-down list.
8. Click **Next**.
9. Select the waypoint file you want to add the waypoint information to from the **Waypoint File** drop-down list. To create a new Waypoint file, select **New**

from the **Waypoint File** drop-down list and type the new waypoint file name in the **New Waypoint File** text box.

10. If you want all of the waypoints to display with the current symbol (such as the default red flag), select the **Use Current Waypoint (active waypoint)** option. If you want the waypoint symbols to match those on your third-party device, select the **Use Custom Waypoint Symbol Set** option and then select the appropriate set from the drop-down list. For more information on creating a custom symbol set, see Assigning a Waypoint ID to a Custom Symbol.
11. Click **Receive From Device**.
12. Repeats the steps for each waypoint file you want to receive.
13. Click **Finish**.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

Exchanging Information with a Palm OS Device

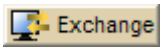
Sending a Handheld Map to a Palm OS Device

Use the Exchange Wizard to send maps you cut using the Handheld Export tab to your Palm® OS device. See Creating a Map Package to Send to a DeLorme Earthmate or PDA for more information.

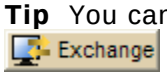
Note You must have Street Atlas USA® Handheld installed to view exported maps on a PDA.

To Send a Handheld Map

Use the following steps to send a handheld map to a Palm OS device.

1. Click the **Exchange** button on the toolbar OR click 

on the Handheld Export tab to open the Exchange dialog box.
2. Under **Select Device**, select **Palm OS**.
3. Select **Send to Device**.
4. Select **Handheld Map** from the **Object Type** drop-down list.
5. Click **Next**.
6. Under **Source**, select the map you want to send to your handheld device from the **Handheld Map** drop-down list.
   The maps saved in the specified location display in the list. To view maps saved in an alternate location, click the browse button and browse to the location. Then, select the map from the **Handheld Map** drop-down list.
7. Select the user you want to send the map to from the **User** drop-down list.
8. Select the media destination from the **Destination** drop-down list.
9. Click **Prepare for Sync**.
10. Click **OK** to return to the Exchange Wizard.
11. Repeat the steps for each map you want to send.
12. Click **Finish**.
    The exported map is available on your handheld device after your next synchronization operation.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button  on the GPS tab or the Handheld Export tab.

Sending Route Information to Your Palm OS Device

Use the Exchange Wizard to send route points or route directions to your Palm® OS device.

To Send Route Points

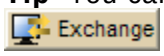
Use the following steps to send route points to your Palm OS device.

1. Click the **Exchange** button on the toolbar.
2. Under **Select Device**, select **Palm OS**.
3. Select **Send to Device**.
4. Select **Route Points** from the **Object Type** drop-down list.
5. Click **Next**.
6. From the **Route** drop-down list, select the route file that contains the route points you want to send to your device.
7. Click **Prepare for Sync**.
8. Repeats the steps for each route file you want to send to your device.
9. Click **Finish**.
   The route points are available on your handheld device after your next synchronization operation.

To Send Route Directions

Use the following steps to send route directions to your Palm OS device.

1. Click the **Exchange** button on the toolbar.
2. Under **Select Device**, select **Palm OS**.
3. Select **Send to Device**.
4. Select **Route Directions** from the **Object Type** drop-down list.
5. Click **Next**.
6. From the **Route** drop-down list, select the route file that contains the route directions you want to send to your device.
7. Select the **User Profile** the route file will sync to from the **User** drop-down list.
8. Click **Prepare for Sync**.
9. Repeat the steps for each route file you want to send to your device.
10. Click **Finish**.
    The route directions are available on your handheld device after your next synchronization operation.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button  on the GPS tab or the Handheld Export tab.

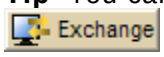
Sending Waypoints to Your Palm OS® Device

Use the Exchange Wizard to send waypoints to your Palm OS® device.

To Send Waypoints

Use the following steps to send waypoints to your Palm OS device.

1. Click the **Exchange** button on the toolbar.
2. Click **Use Other Device** to open the Exchange Wizard.
3. Under **Select Device**, select **Palm OS**.
4. Select **Send to Device**.
5. Select **User Map Data - Waypoints** from the **Object Type** drop-down list.
6. Click **Next**.
7. Select the waypoint file you want to send to your device from the **Waypoint File** drop-down list.
8. Click **Prepare for Sync**.
9. Repeat the steps for every waypoint file you want to send to your device.
10. Click **Finish**.
    The waypoints are available on your handheld device after your next synchronization operation.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

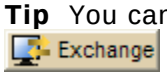
Receiving a GPS Log From Your Palm OS Device

Use the Exchange Wizard to receive GPS logs created on your Palm® OS device. Once imported, you can use the file in your mapping program.

To Receive GPS Logs From Your Palm OS Device

Use the following steps to receive GPS logs from your Palm OS device.

1. Click the **Exchange** button on the toolbar.
2. Under **Select Device**, select **Palm OS**.
3. Select **Receive from Device**.
4. Select **GPS Logs** from the **Object Type** drop-down list.
5. Click **Next**.
6. Select the GPS log you want to receive from the **GPS Log** drop-down list.
7. Click **Receive From Device**.
8. Repeats the steps for each GPS log file you want to receive.
9. Click **Finish**.

Tip You can also open the Exchange **Wizard** by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

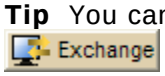
Receiving a Route From Your Palm OS® Device

Use the Exchange Wizard to receive a route created on your Palm OS device. Once imported, you can use the file in your mapping program.

To Receive a Route From Your Palm OS Device

Use the following steps to receive a route from your Palm OS device.

1. Click the **Exchange** button on the toolbar.
2. Under **Select Device**, select **Palm OS**.
3. Select **Receive from Device**.
4. Select **Route** from the **Object Type** drop-down list.
5. Select **Route** from the **Save As** drop-down list to save your route as a route file.
6. Click **Next**.
7. Select the route file on the device that you want to receive.
8. Select the route file you want to add the route information to. To create a new route file, select **New** from the **Route** drop-down list and type the new route name in the text box.
9. Click **Receive From Device**.
10. Repeats the steps for each route file you want to receive.
11. Click **Finish**. The route information displays.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

Receiving Waypoints From Your Palm OS® Device

Use the Exchange Wizard to receive waypoints created on your Palm OS device. Once imported, you can use the file in your mapping program.

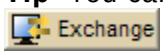
To Receive Waypoints From Your Palm OS Device

Use the following steps to receive waypoints from your Palm OS device.

1. Click the **Exchange** button on the toolbar.
2. Under **Select Device**, select **Palm OS**.
3. Select **Receive from Device**.
4. Select **Waypoints** from the **Object Type** drop-down list.
5. From the **Save As** drop-down list, select to save the waypoints as **User Map Data - Waypoints**.
6. Click **Next**.
7. Select the waypoint file you want to add the waypoint information to from the **Waypoint File** drop-down list. To create a new waypoint file, select **New** from the **Waypoint File** drop-down list and type the new waypoint file name in the text box.
8. If you want all of the waypoints to display with the current symbol (such as the default red flag), select the **Use Current Waypoint (active waypoint)**

option. If you want the waypoint symbols to match those on your third-party GPS device, select the **Use Custom Waypoint Symbol Set** option and then select the appropriate set from the drop-down list. For more information on creating a custom symbol set, see Assigning a Waypoint ID to a Custom Symbol.

9. Click **Receive From Device**.
10. Repeats the steps for each waypoint file you want to receive.
11. Click **Finish**.
    The waypoint information displays.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

Exchanging Information with a Pocket PC Device

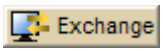
Sending a Handheld Map to a Pocket PC Device

Use the Exchange Wizard to send maps you cut using the Handheld Export tab to your Pocket PC device. See Creating a Map Package to Send to a DeLorme Earthmate or PDA for more information.

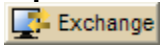
Note You must have Street Atlas USA® Handheld installed to view exported maps on a PDA.

To Send a Handheld Map

Use the following steps to send a handheld map to a Pocket PC device.

1. Click the **Exchange** button on the toolbar OR click 

on the Handheld Export tab to open the Exchange dialog box.
2. Under **Device Type**, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **Handheld Map** from the **Object Type** drop-down list.
5. Click **Next**.
6. Under **Source**, select the map you want to send to your handheld device from the **Handheld Map** drop-down list.
   The maps saved in the specified location display in the list. To view maps saved in an alternate location, click the browse button and browse to the location. Then, select the map from the **Handheld Map** drop-down list.
7. Click **Prepare for Sync**.
8. Click **OK** to return to the Exchange Wizard.
9. Repeat the steps for each map you want to send.
10. Click **Finish**.
    The exported map is available on your handheld device after your next synchronization operation.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

Sending Route Information to Your Pocket PC Device

Use the Exchange Wizard to send route points or route directions to your Pocket PC device.

To Send Route Points

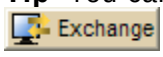
Use the following steps to send route points to your Pocket PC device.

1. Click the **Exchange** button on the toolbar.
2. Under **Device Type**, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **Route Points** from the **Object Type** drop-down list.
5. Click **Next**.
6. From the **Route** drop-down list, select the route file that contains the route points you want to send to your device.
7. Click **Prepare for Sync**.
8. Click **OK** to return to the Exchange Wizard.
9. Repeat the steps for each route you want to send to your device.
10. Click **Finish**.
    The route points are available on your handheld device after your next synchronization operation.

To Send Route Directions

Use the following steps to send route directions to your Pocket PC device.

1. Click the **Exchange** button on the toolbar.
2. Under **Device Type**, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **Route Directions** from the **Object Type** drop-down list.
5. Click **Next**.
6. From the **Route** drop-down list, select the route file that contains the route directions you want to send to your device.
7. Click **Prepare for Sync**.
8. Click **OK** to return to the Exchange Wizard.
9. Repeat the steps for each route you want to send to your device.
10. Click **Finish**.
    The route directions are available on your handheld device after your next synchronization operation.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

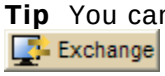
Receiving a GPS Log From Your Pocket PC Device

Use the Exchange Wizard to receive GPS logs created on your Pocket PC. Once imported, you can use the file in your mapping program.

To Receive GPS Logs From Your Pocket PC Device

Use the following steps to receive GPS logs from your Pocket PC device.

1. Click the **Exchange** button on the toolbar.
2. Under **Device Type**, select **Pocket PC**.
3. Select **Receive from Device**.
4. Select **GPS Logs** from the **Object Type** drop-down list.
5. Click **Next**.
6. Select the GPS log you want to receive from the **GPS Log** drop-down list.
7. Click **Receive From Device**.
8. Repeats the steps for each GPS log file you want to receive.
9. Click **Finish**.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

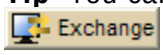
Sending Waypoints to Your Pocket PC Device

Use the Exchange Wizard to send waypoints to your Pocket PC device.

To Send Waypoints

Use the following steps to send waypoints to your Pocket PC device.

1. Click the **Exchange** button on the toolbar.
2. Under **Device Type**, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **User Map Data - Waypoints** from the **Object Type** drop-down list.
5. Click **Next**.
6. From the **Waypoint File** drop-down list, select the waypoint file you want to send to your device.
7. Click **Prepare for Sync**.
8. Click **OK** to return to the Exchange Wizard.
9. Repeat the steps for each waypoint file you want to send to your device.
10. Click **Finish**.
    The waypoints are available on your handheld device after your next synchronization operation.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

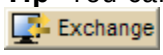
Sending a GPS Log to Your Pocket PC Device

Use the Exchange Wizard to send GPS logs you created in your mapping program to your Pocket PC device.

To Send a GPS Log

Use the following steps to send a GPS log to a Pocket PC device.

1. Click the **Exchange** button on the toolbar.
2. Under **Device Type**, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **GPS Log** from the **Object Type** drop-down list.
5. Click **Next**.
6. Under **Source**, select the GPS log you want to send to your handheld device from the **GPS Log** drop-down list. The logs are saved in the specified location display in the list. To view logs saved in an alternate location, click the browse button and browse to the location. Then, select the log from the **GPS Log** drop-down list.
7. Click **Prepare for Sync**.
8. Click **OK** to return to the Exchange Wizard.
9. Repeat the steps for each GPS log you want to send to your device.
10. Click **Finish**.
    The GPS log is available on your handheld device after your next synchronization operation.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

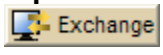
Receiving a Route From Your Pocket PC Device

Use the Exchange Wizard to receive a route created on your Pocket PC device. Once imported, you can use the file in your mapping program.

To Receive a Route From Your Pocket PC Device

Use the following steps to receive a route from your Pocket PC device.

1. Click the **Exchange** button on the toolbar.
2. Under Device Type, select **Pocket PC**.
3. Select **Receive from Device**.
4. Select **Route** from the **Object Type** drop-down list.
5. Select **Route** from the Save As drop-down list to save your route as a route file.
6. Click **Next**.
7. Select the route file on the device that you want to receive.
8. Select **New** from the **Route** drop-down list and type the new route name in the text box.
9. Click **Receive From Device**.
10. Repeats the steps for each route file you want to receive.
11. Click **Finish**.
    The route information displays.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

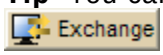
Receiving Waypoints From Your Pocket PC Device

Use the Exchange Wizard to receive waypoints created on your Pocket PC. Once imported, you can use the file in your mapping program.

To Receive Waypoints From Your Pocket PC Device

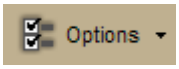
Use the following steps to receive waypoints from your Pocket PC device.

1. Click the **Exchange** button on the toolbar.
2. Under **Device Type**, select **Pocket PC**.
3. Select **Receive from Device**.
4. Select **Waypoints** from the **Object Type** drop-down list.
5. From the **Save As** drop-down list, select to save the waypoints as **User Map Data - Waypoints**.
6. Click **Next**.
7. Select the waypoint file you want to add the waypoint information to from the **Waypoint File** drop-down list. If you want to create a new waypoint file, select **New** from the **Waypoint File** drop-down list and type the new waypoint file name in the text box.
8. If you want all of the waypoints to display with the current symbol (such as the default red flag), select the **Use Current Waypoint (active waypoint)** option. If you want the waypoint symbols to match those on your third-party GPS device, select the **Use Custom Waypoint Symbol Set** option and then select the appropriate set from the drop-down list. For more information on creating a custom symbol set, see Assigning a Waypoint ID to a Custom Symbol.
9. Click **Receive From Device**.
10. Repeats the steps for each waypoint file you want to receive.
11. Click **Finish**.
    The waypoint information displays.

Tip You can also open the Exchange Wizard by clicking the **Exchange** button 

on the GPS tab or the Handheld Export tab.

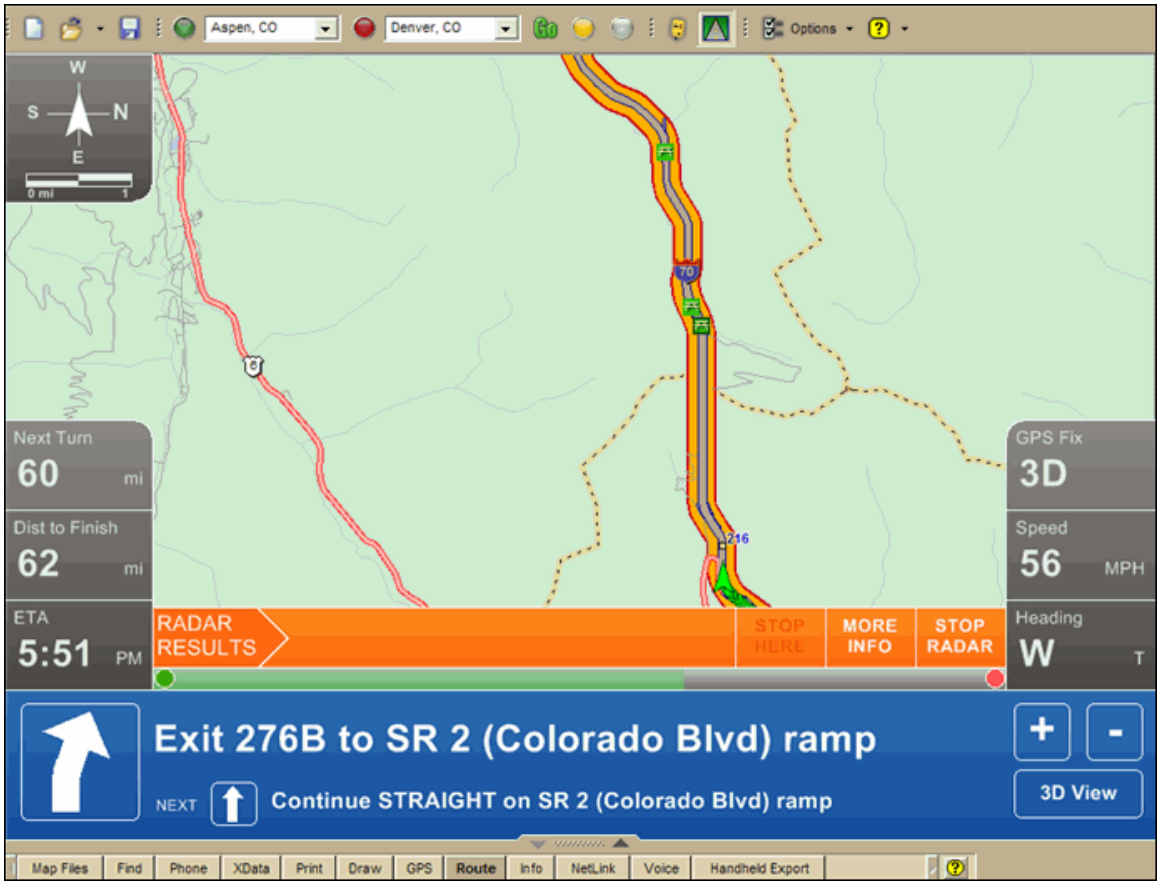
Using UMPC and Small-screen Devices

You can use Street Atlas USA® with small-screen devices, such as UMPCs, or Ultra Mobile PCs. When you install your software on your device, make sure you select the UMPC option. If you install the UMPC option, UMPC Mode is available in the Options menu. To turn UMPC mode off, click the **Options** menu arrow 

and click **UMPC Mode** to clear the check box. To turn UMPC mode on, click **UMPC Mode** to select the check box next to it.

The default interface minimizes the tab area, hides the Control Panel, and shows only the toolbar buttons you need for navigating and tracking on a small screen; however, you can add or remove tabs, show or hide toolbar buttons, and customize the interface to meet your needs.

This screen is optimized for UMPC and is displaying GPS with NavMode.



Your Street Atlas license allows you to install a copy of the software on a portable device in addition to your computer. Please see the license agreement for your software (in the Legal Information Section) for further information:

Street Atlas USA 2009 Plus Single-User License Agreement

Street Atlas USA 2009 Single-User License Agreement

Using NetLink

Using the Subtabs in NetLink

You must have an Internet connection to use the NetLink tab. Within each subtab, follow the on-screen instructions or click the **Help** button for more information.

The NetLink tab has four subtabs:

- **Home —** The NetLink home subtab. You can register your product, check for updates, visit the DeLorme online forums, and find information about our products.
- **Datasets —** Use this subtab to purchase imagery and data. For help with the Datasets subtab, click the **Help** button on the subtab to open the Datasets Help file.
- **Downloads —** Use this subtab to view and receive downloads and software updates.
- **Corrections —** Use this subtab to submit a data revision. Click the **Map Correction** link to open the Customer Revisions Wizard. For help with submitting a data revision, click the **Help** button on any screen in the wizard.

Receiving Product Updates and Downloads

Once you register your product, you can click the NetLink tab to see if any product updates or data downloads are available.

To Receive Product Updates and Downloads

Use the following steps to receive product updates and downloads.

1. Click the **NetLink** tab.
2. Click the **Downloads** subtab or click **View the List** in the Check for Updates section on Home subtab.
   The Available Downloads & Updates list displays:
   - The name of each update or download.
   - A description of the update or download.
   - A Download link to download the item.
   - A Hide link to hide the item in the list — use this to remove unwanted items from the download list to reduce clutter.
   - The file size of the update/download.
3. To download a product update or save a dataset to your computer, click the **Download** link next to the item.
   Datasets are saved by default in *C:\DeLorme Docs\Downloads.*

To View Hidden Product Updates and Downloads

Use the following steps to view and download hidden updates and downloads.

1. Click the **NetLink** tab.
2. Click the **Downloads** subtab or click **View the List** in the Check for Updates section on Home subtab.

The Available Downloads & Updates list displays. If you have hidden product updates and downloads, you will see a View Hidden link next to the Available Downloads & Updates heading.

3. Click the **View Hidden** link.
   The hidden updates and downloads display.
4. To download a product update or save a dataset to your computer, click the **Download** link next to the item.
   Datasets are saved by default in *C:\DeLorme Docs\Downloads.*

Using GeoTagger

Getting Started with GeoTagger

Use the GeoTagger Wizard to sync digital photos with GPS log files (.gpl) and track files (.an1) and tag them to the location you took them. You can place images as an actual image on the map, a MapNote with a hyperlink, or a symbol with a hyperlink.

To open the GeoTagger Wizard, click the **GeoTagger** button on the toolbar.

Important! Make sure the time and date on your camera and on your GPS device match before you begin. This ensures that your images are correctly matched to the GPS log file or track file. If you do not have the correct time on your camera, you can update the information with the Timestamp Offset option in the wizard. See Calculating the Timestamp Offset in this section.

Tagging an Image

Once you successfully tag your digital images to a GPS log file or track file, you can view the points at which the photos were taken on the map in your DeLorme program.

Before you begin, you must download the GPS log file or track file and digital photographs to your computer. See Receiving a Track From Your Third-party GPS Device on page 267 for information on using the Exchange Wizard to transfer files.

To Tag an Image

1. Click the **GeoTagger** button on the toolbar to open the GeoTagger Wizard.
2. Select **Images** and click Next.
3. In the **Photo Directory** box, type the path and file name for the *folder* (not specific images) on your computer where the images are stored.
   OR
   Click **Browse** to search for the folder on your computer.
4. Under **Time Zone**, select the time zone where you were when you took the pictures. See GMT Time Zone Information for a table of time zones by state. If Daylight Saving Time was in effect (second Sunday in March through first Sunday in November), select the **Adjust for Daylight Saving Time** check box.
5. Under **GPS Data**, select **Track** or **GPL File**.
6. If you selected Track, the list of track layers in the Draw tab displays in a tree menu. Click the plus sign to expand the tree menu, and click the track. You can select only one track at a time.
   If you selected GPL File, in the **GPS Data** box, type the path and file name for the file or click **Browse** to search for the file on your computer.
7. Click **Next**.
   The Image list displays the images that will be tagged. Click an image to preview it in Image Preview window.

8. Under **Time Offset**, if the time on your camera differed from actual time when you recorded the data, calculate the offset, type the actual time in the **Matching GPS Time** text box.
9. Click **Next**.
10. Select how you want to place the image on the map.
    - **Hyperlink**-A MapNote with a hyperlink to the image displays on the map.
    - **Embedded**-A MapNote with a thumbnail image hyperlinked to the image displays on the map.
    - **Symbol**-A camera symbol with a hyperlink to the image displays on the map.
11. Click **Next**.
    A message displays telling you that you successfully tagged your images. Click **Finish**. When you view the GPS log file or track on the map, you can see where the images are tagged.
    OR
    An error message displays; usually this is because the timestamps for the camera and the file or track do not match.

Calculate the Timestamp Offset

The time on your camera must match the time in the track or GPS log so the images or data display in the correct place. If they do not, you must calculate a timestamp offset. If possible, do this before you use the GeoTagger Wizard.

To Calculate the Timestamp Offset Before Using the Wizard

Use these steps to calculate the timestamp offset **before** you use the GeoTagger Wizard.

1. Click the **Draw** tab and view your track or GPS log.
2. Find a point on the track or GPS log where you know you took a picture.
3. Make a note of the time.
4. Start the GeoTagger Wizard and follow the on-screen steps.
5. When you get to the screen with the offset option, highlight the image in the file list.
   The image timestamp displays in the Data Timestamp box.
6. Type the time you made a note of in the **Matching GPS Time** text box.

To Calculate the Timestamp Offset When Using the Wizard

Use the following steps to calculate the timestamp offset if you are **already** using the GeoTagger Wizard.

1. Click **Cancel** to exit the GeoTagger Wizard.
2. Click the **Draw** tab and view your track or GPS log.
3. Find a point on the track or GPS log where you know you took a picture.
4. Make a note of the time.
5. Start the GeoTagger Wizard and follow the on-screen steps until you get to the screen with the offset option.

6. Highlight the image in the file list.
   The image timestamp displays in the Data Timestamp box.
7. Type the time you made a note of in the **Matching GPS Time** text box.

Using Street Atlas Handheld on a PDA

Palm OS Help

Map Files

Viewing Maps on Your Palm OS Handheld

Use Street Atlas USA® Handheld to create map files using your DeLorme mapping application and install them on your handheld device during a HotSync® operation. Create GPS logs, add waypoints, and create routes on the map using your handheld.

To View Maps on Your Handheld

Use the following steps to view maps installed on your handheld.

1. Open Street Atlas USA Handheld. If you have already run the application and have one or more maps loaded, the handheld screen displays the last map viewed.
   Note If no maps are installed (i.e., map files are deleted or not accessible to the handheld), the "No maps loaded on device." error message displays.
2. Tap the **Menu** button to display the Street Atlas USA Handheld menu bar.
3. From the **Data** menu, tap **Maps**.
   The Data screen displays the list of maps you have installed.
   Notes
   - An eye symbol to the right of the map file name indicates the map(s) currently displayed on the map view screen.
   - A card symbol located to the right of the map file name indicates map files stored on an attached storage card. For more information on using a storage card, see Moving Files.
4. Tap the map file and then tap **Go To**.
   The center of the map file is aligned with the screen center on the map view screen.

Notes

- The scale bar displays in the units specified in the handheld application's preferences.
- Contour lines (in maps cut with topographic data) display in the units specified when the map was cut.
- Tap **Beam** to beam selected map files to another Palm OS® handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the menu button to display the Command drop-down menu.

Renaming a Map File on a Palm OS Handheld

Map file names are derived from the text you typed in the Name text box on the Handheld Export tab in your DeLorme mapping application. You can rename any map file installed on your Palm OS® handheld.

To Rename a Map File

Use the following steps to rename a map file.

1. Tap the **Menu** button to display the Street Atlas USA® Handheld menu bar.
2. From the **Data** menu, tap **Maps** to view the Data screen.
   The list of maps you have installed displays under the Source selection box.
   Notes
   - An eye symbol to the right of the map file name indicates the map(s) currently displayed on the map view screen.
   - A card symbol located to the right of the map file name indicates map files stored on an attached storage card. For more information on using a storage card, see Moving Files.
3. Tap the map file you want to rename and then tap **Details**.
   The Item Info dialog box opens.
4. Tap **Rename** and enter a name for the file in the Save As dialog box. Tap **OK** to accept the name change or tap **Cancel** to return to the Item Info screen without changing the file name.
5. Tap **Done** to return to the Data screen.
6. Tap **Done** to return to the map view screen.

Notes

- Tap **Beam** to beam selected map files to another Palm OS handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the menu button to display the Command drop-down menu.

Deleting a Map File

You can delete any map files you have installed on your Palm OS® handheld.

Waypoints, routes, and GPS logs are not cleared from the map view screen when a map is deleted. To delete waypoints, routes, or GPS logs, see the following topics.

- Deleting a Waypoint
- Deleting a Route
- Deleting a GPS Log

To Delete a Map File

Use the following steps to delete a map file.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. From the **Data** menu, tap **Maps**.
   The Data screen displays the list of map files you have installed.
3. From the list of map files, tap the name of the map file you want to delete.

4. Tap **Delete**.
   A message box displays asking if you want to delete the selected map file.
5. Tap **OK** to delete the file.
   The Data screen displays and the map file is cleared from the list of map files.
   OR
   Tap **Cancel** to return to the Data screen without deleting a map file.
6. When finished deleting map files, tap **Done** to display the map view screen.
   Note If the map file you deleted was the current map, the map no longer displays on the map view screen.

Note You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

The Data Screen

The Data Screen on a Palm OS Handheld

Use the Data screen in Street Atlas USA® Handheld to view a list of the map files you have installed on your handheld as well as any waypoints (wpts), routes, or GPS logs you have created.

To View Files in the Data Screen

Use the following steps to view files in the Street Atlas USA Handheld data screen.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. From the **Data** menu, tap any of the four options (Maps, Routes, Wpts, or GPS Logs).
   - **Maps** created in your DeLorme mapping application and installed on your handheld OR located on a storage card.
   - **Direct/Road Routes** created in your DeLorme mapping application and installed on your handheld OR created on the handheld.
   - **Waypoints (Wpts)** created in your DeLorme mapping application and installed on your handheld OR created on the handheld.
   - **GPS Logs** recorded on the handheld while using a GPS receiver.

   The Data screen displays and the list of files you have displays under the Source selection box for the menu option you have chosen.
3. Tap **Details** to display the Info dialog box which provides information about each file.
   For each menu option, the Data screen always displays the Beam, Delete, Done, and Go To buttons. The Data screen displays differently for the following options.
   - **Maps**—An eye symbol after the map name indicates the map currently displays on the map view screen. Any map file stored on an attached storage card, rather than on the main memory of the handheld, displays with a card symbol.
   - **Routes or GPS Logs**—The Show/Hide toggle button is available. Tap **Hide** to clear a route or GPS log from the map view screen. Tap **Show** to display it again.

Notes

- Once you are in the Data screen, view the files for any of the menu options in the Source box by tapping the menu item. Any files for the selected menu option display under the Source box.
- Tap **Beam** to beam selected files to another Palm OS handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Beaming Files to Another Handheld

If your handheld has an infrared (IR) port, you can beam files you've created in Street Atlas USA® Handheld from one handheld to another.

Before beaming, ensure that the receiving handheld is turned on, has Street Atlas USA Handheld installed, has an IR port, and is within 36 inches of your handheld.

The following files can be beamed:

- **Maps** created in your DeLorme mapping application and installed on your handheld or located on a storage card.
- **Direct/Road Routes** created in your DeLorme mapping application and installed on your handheld OR created on the handheld.
- **Waypoints (Wpts)** created in your DeLorme mapping application and installed on your handheld OR created on the handheld.
- **GPS Logs** recorded on the handheld while using a GPS receiver.

To Beam Files to Another Handheld

Use the following steps to beam files from one handheld to another.

1. Point the IR port of your handheld (the sending handheld) directly at the IR port of the receiving handheld.
2. Open Street Atlas USA Handheld.
3. Tap the **Menu** button on the sending handheld to display the Street Atlas USA Handheld menu bar.
4. From the **Data** menu, tap any of the four menu options to access the files under each option.
   The Data screen displays and the list of files you have displays under the Source selection box for the menu option you have chosen.
5. Tap to select the desired file and then tap **Beam**.
   OR
   Tap the Data screen menu bar or the Menu button to display the Command drop-down menu and then tap **Beam**.
   OR
   Write the **/B** Graffiti® Menu Command. A Beam message box displays on each handheld with the name of the file you are sending/receiving.
6. Once the beaming of the file from the sending handheld is complete, the Beam message box on the receiving handheld asks if you want to accept the beamed file. Tap **Yes** to accept the beamed data.
   Note To beam another item, repeat steps 6 and 7.

Tips

- Tap **Cancel** in the sending/receiving message box at any time to stop the beaming process.

- Tap **No** in the receiving message box if you decide not to accept the beamed file.

Note If Street Atlas USA Handheld is not open on the receiving device at the time a file is beamed, the Street Atlas USA Handheld application automatically launches.

Showing/Hiding Raster and/or Vector Data on Your Map on a Palm OS Handheld

You can choose to show or hide vector and/or raster data on your Palm OS® map.

To Show/Hide Data

Use the following steps to show/hide vector and/or raster data on your map.

1. Tap the **Menu** button to display the Street Atlas USA® Handheld menu bar.
2. From the **Data** menu, tap **Maps** to view the Data screen.
   The list of maps you have installed displays under the Source selection box.
   Note An eye symbol ⊙ next to the map file name indicates the map(s) currently displayed on the map view screen.
3. Tap **Details**.
   The name, type, size, location, and creation date of your map file display.
4. Tap **Advanced**.
5. If available, select the **Draw Vectors** check box to show vector data on your map.
   OR
   Clear the **Draw Vectors** check box to hide vector data on your map.
6. If available, select the **Draw Rasters** check box to show raster data on your map.
   OR
   Clear the **Draw Rasters** check box to hide raster data on your map.
7. Tap **OK** to save your changes.
   OR
   Tap **Cancel** to cancel your changes.
8. Tap **Done** to return to the map view screen.

Notes

- If you choose to hide both the vector and raster data, nothing from that map file will be displayed on the map.
- The vector or raster check box is invisible when the map does not contain that type of data.

The Map View Screen

The Map View Screen on a Palm OS Handheld

The map view screen in Street Atlas USA® Handheld is the area where map files created in your DeLorme mapping application display. It is also the area where you can access the menu bar in order to create routes, add waypoints, measure distances, as well as other map functions.
The example below shows the map view screen with menu bar and Info Area displaying (on a Palm OS® device).

With the map view screen you can:

- Access all menu options through the menu bar.
- View the map.
- View map information in the Info Area.

Panning and Centering the Map

Tap and drag with the stylus on your Palm OS® device to pan the map in Street Atlas USA® Handheld. You can also center the map in several different ways.

To Center the Map

Use any of the following methods to center the map.

- On the Data screen for Maps, select a map file and tap **Go To**.
- Tap to select a map feature located by Find and then tap **Go To** to center the feature on the map.
- From the Data screen, tap **Go To** to center the selected map on the map view screen or to center a waypoint, the start point of a route, or the start of a GPS Log on the map.
- Tap the **GPS Off Map** icon to center the map on your GPS position.
- Tap the blinking **GPS Position** icon to center the map on your GPS position.
  Note The GPS Position icon blinks from solid to hollow and displays only when you are not moving while connected to a GPS receiver. While in motion, the icon changes to an arrow.
- Tap the **Tracking** icon to center the map on a map feature, a waypoint (wpt), or a segment of a route you are tracking.

Changing the Data Zoom Level of the Map

Use the scroll buttons on your Palm OS® handheld to change the data zoom level on your map.

To Change the Data Zoom Level of the Map

Zoom in on the map to increase the data zoom level and display more geographic detail; zoom out to decrease the data zoom level and display less geographic detail.

- Press and release the **Down** scroll button on your handheld to zoom in to the map one data zoom level at a time.
- Press and release the **Up** scroll button on your handheld to zoom out from the map one data zoom level at a time.
- Press and hold the **Up** or **Down** scroll buttons to quickly zoom to the highest or lowest data zoom levels.

Note As you zoom using the scroll buttons, text displays in the Info Area below the map view screen indicating the data zoom level you are zooming in to or out from. The current data zoom level displays for a short time once the map redraws.

Menu Options on a Palm OS Handheld

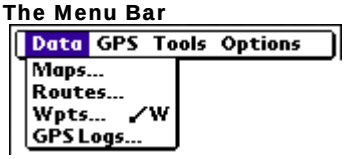
There are many menu options in Street Atlas USA® Handheld. Menu options are available in the menu bar at the top of the map view screen. For information on the menu button and accessing menus on your handheld, consult your handheld's user guide.

To Use the Menu Options

Use the following steps to access the menu options.

1. Tap the **Menu** button on your handheld to display the menu bar. The menu bar contains four main menu options, Data, GPS, Tools, and Options.

The Menu Bar



2. Tap a main menu option to display the menu items available under each option. The following table describes the four main menu options and a description of the menu items each contains.
   Note The ★ indicates menu items accessible with Graffiti® Menu Commands.

Tap the main menu option...	Then tap the menu item...	To...
Data	Maps	View map file information, display a map (Go To), move a map to secondary storage, or rename or delete map files.
	Routes	View information on a route you have created (direct or road), display a route on the map (Go To), or hide, rename, or delete a route.
	Wpts★	View waypoints (wpts) you have added, display a waypoint on the map (Go To), or edit or delete waypoints.
	GPS Logs	View information on GPS log files, display a log file on the map (Go To), or hide, rename, or delete GPS log files.

GPS	Connect	Establishes a connection between your GPS device and your handheld.
	Disconnect	Disconnects the GPS connection between your GPS device and your handheld.
	Settings★	View and, if necessary, change GPS settings.
	Logging★	Activate GPS logging at connection, change logging time intervals, start, pause, or stop a logging session, view logging information, and keep track of memory usage.
	Monitor	Monitor GPS status, relative heading (current direction of travel) to True North, current speed, elevation (3-D mode only), and coordinate position when connected to a GPS receiver.
	Sky View	View the visible satellites, their assigned numbers, and position in the sky relative to your current position. Tap **Key** to display the Satellite Sky View Key for information on satellite status.
	Channel View	View each satellite currently visible in the sky which is listed by: • Satellite number (Sat) • Elevation degrees to horizon (El) • Azimuth (Az) • Signal-to-noise ratio (SNR) • Status (N=navigation, E=ephemeris data, T=tracked, and D=differential mode for WAAS) • PDOP (Position Dilution of Precision) • HDOP (Horizontal Dilution of Precision) • EHPE (Estimated Horizontal Position Error)

	Sun/Moon	View sunrise/set and moonrise/set information. Settings changed on this screen do not effect other screens. The system date and coordinates for the current screen center display by default.
Tools	Add Wpt★	Add a waypoint on the map using the waypoint (wpt) icon.
	Find★	Tap to find map features by name. Enter text and/or select menu items under the categories of Type, State, City, ZIP Code, Radius, Maximum, and Sort by to narrow search parameters.
	Previous Map★	Center the map on the previous map view.
	Go To Position★	Tap to activate the Select Location dialog. Then, select a coordinate letter/number, use the arrows to adjust, and then tap **Go To**.
	Tracking★	Tap to select to track to a map feature, a waypoint, or the start or finish of a route you have created.
	Distance★	Activate the Distance function. The Distance tool icon and Erase tool icon display on the map view screen.
	Create Direct Route	Tap to activate the direct route function. The Calculate Direct Route and Erase icons display on the map view screen.
	Create Road Route	Tap to activate the road route function. The Calculate Road Route and Erase icons display on the map view screen.

Options	Preferences★	Display or hide POI (points of interest) labels and map crosshairs, change the map font, map colors, or map orientation, change the screen resolution (for devices with Palm OS® 5.2 or higher), set the Info Area as static or cycling, turn voice on/off, select to display UTM/UPS or latitude/longitude coordinates, or change the units preferences to be used throughout the program.
	Help★	View tips on using the map view screen.
	Getting Started	View the Getting Started Tutorial for Street Atlas USA Handheld.
	About	View version and licensing information about Street Atlas USA Handheld.

Graffiti Menu Commands

There are several Palm OS® Graffiti® menu commands you can use to quickly access menu options while using maps or editing text fields in Street Atlas USA® Handheld.

Menu Commands for the Map

The following table shows the Graffiti menu command used to activate specific functions on the map in Street Atlas USA Handheld and the resultant action of the command. The slash (/) indicates the command stroke.

Note Make the command stroke by dragging the stylus diagonally from bottom left to top right in the Graffiti area, then write the letter needed to activate the command.

Menu Command	Command Activated	Result
/A	Add Wpt	The wpt symbol displays on the map view screen. For information on adding waypoints, see Adding Waypoints.
/F	Find	The Find dialog box opens. For information on using the Find function, see Finding Map Features.
/G	Go To Position	The Select Location dialog box opens. For more information, see Finding a Coordinate Location.
/H	Help	The Help Tips screen displays with tips on using the map on your handheld.
/I	GPS Settings	The GPS Settings dialog box opens. For information on GPS Settings, see Updating

		Your GPS Settings.
/L	GPS Logging	The GPS Logging dialog box opens. For information on GPS logging, see GPS Logging.
/M	Distance	The Distance tool icon displays in the upper-right corner of the map view screen and the Erase tool icon displays in the upper-left corner of the map view screen. For more information, see Measuring Distance.
/R	Preferences	The Preferences dialog box opens. For information on setting preferences, see Setting Preferences.
/T	Tracking	The Select Track dialog box opens. Select to track to a map feature, a waypoint, or the start or finish of a route you have created.
/W	Wpt list in the Data screen	The Data screen displays along with a list of any waypoints (wpts) you have added. For information on waypoints, see Adding Waypoints.

Editing Commands

The following table shows the Graffiti menu commands used to edit text field information. The slash (/) indicates the command stroke.
Note Make the command stroke by dragging the stylus diagonally from bottom left to top right in the Graffiti area, then write the letter needed to activate the command.

Action	Menu Command	Command Activated
Select the text to be copied.	/C	Copy
Tap the field in which to place text.	/P	Paste
Select the text to be cut.	/X	Cut
Tap the field which contains the text you want to select.	/S	Select All
Use to undo the last action.	/U	Undo
Use to activate the handheld keyboard.	/K	Keyboard
Use to activate the Graffiti Help character screens.	/G	Graffiti Help

Note Use the above editing menu commands to edit text fields in the GPS Settings and Wpt Info screens. You may also access the editing menu commands by tapping the menu bar in either of the screens or by tapping the Menu button.

Querying Features on the Map on a Palm OS Handheld

Tap a map feature on the map view screen on your Palm OS® handheld to view query information about it including the coordinates of the point tapped. The query information displays on the Info Area below the map view screen. If no query information is available for a map feature, the message "No Info" (along with the current zoom level) displays in the Info Area.

To Query Map Features

The following table describes how to get query information on various map features.

To get information about...	Tap...
Map Coordinates	A point on the map to view its coordinate information (latitude/longitude or UTM/UPS) based on the coordinate option you chose in Setting Preferences.
Point Objects (Placenames, Airports, Landmarks, etc.)	A point object on the map to display its name, city, state, and ZIP Code information.
Waypoints (wpts)	A waypoint to view extended Wpts information including names or any text appearing in the Close To text field. For information on adding waypoints, see Adding Waypoints.
Contour Lines	A contour line to view the contour elevation in feet or meters, depending on the settings of your DeLorme desktop application (this feature is not available in Street Atlas USA 2009 data).
Road, Railroad, Hydro (Water) Lines	A road to display its name, city, state, and ZIP Code information. A rail or hydro (stream, brook, creek, and so forth) line to displays its position (in lat/lon or UTM/UPS coordinates).
Water Polygons, Islands, Land Use/Land Cover, Parks, and so forth	Within the feature boundaries to display its name and coordinate information.

Find

Finding Map Features on a Palm OS Handheld

The Find function in Street Atlas USA® Handheld lets you search and locate features found in map files you have installed on your handheld. Search for features such as cities, towns, points of interest (POIs), roads, rivers, streams, railroads, and parks.

To Find a Feature on the Map

Use the following steps to find a map feature.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Tools** and then tap **Find**.
   The Find screen displays.
   Note You can also access the Find function using the Graffiti® Menu Commands.
3. Tap to select a search method from the list above the Find text field. Select:
   - **Begins with** to search for items that begin with the same letters you typed in the Find text field.
   - **Contains** to search for items that contain the letters typed in the Find text field.
   - **Fuzzy Find** to search for items that start with the first three letters you typed in the Find text field
4. Enter a name (i.e., Main St, I-95, Town Park) in the Find text field.
   Notes
   - It is not necessary to enter a name for a map feature in the Find text field.
   - To hasten the search process, narrow the search field by selecting list items from the first four search categories below the Find text field.
   - To delete the search text, tap **Clr**.
5. Tap the down arrow next to the search categories (Type, State, City, ZIP Code, Radius, Maximum, and Sort by) and tap an item in each drop-down list.
   See the table below for descriptions of each search category.

In this category...	Tap...
Type	**All** to search all feature types on the installed map file or tap to search one of the many specific feature types.
State	**All** to search all states on the installed map file or tap to search an individual state. **Note** The list of states is derived from the map files installed on your handheld.
City	**All** to search all cities on the installed map file or tap to search an individual city name. **Note** The list of city names is derived from the map files installed on your handheld.
ZIP Code	**All** to search all ZIP Codes on the installed map file or tap to search an individual ZIP Code. **Note** The list of ZIP Codes is derived from the map files

	installed on your handheld.
Radius	**Infinite** to search an unlimited distance from your current GPS location or the screen center. Other options include: • 1 mi, 2 mi, 5 mi, 10 mi, 20 mi (if you selected **mi, ft** as your unit preference) • 2 km, 4 km, 8 km, 15 km, 30 km (if you selected **km, m** as your unit preference) • 1 NM, 2 NM, 5 NM, 10 NM, 20 NM (if you selected **NM, ft** or **NM, m** as your unit preference)
Maximum	One of five numeric list items (**10**, **25**, **50**, **100**, and **250**) to choose the maximum number of matches you want to display. For example, if you choose the number 10 and the Find Results indicates 21 matches found, the closest 10 are shown.
Sort by	**Match quality** to sort matching feature names by those most closely matching the search text entry. Match Quality results can range from 0% to 100%, with 100% being the best text match and displaying at the top of the Find Results list. **Proximity** to sort matching feature names by distance from screen center or GPS location. Features closest to screen center or GPS location display at the top of the Find Results list. There is no proximity limit.

6. When all search list items are selected, tap **Search**. When the search is complete, the Find Results list box displays "Search done" at the top of the dialog area along with the number of matches found. As feature name matches are found, the list of search results displays.

   Notes

   - Symbols to the left of the feature name match indicate what type of feature is listed.

Symbol	Feature Type
	Line (for example, road, stream, railroad)
	Polygon (for example, island, water, park)
	Point of Interest (for example, placename, landmark, historic sites)
Symbol style varies based on the style selection made when the waypoint was added	Waypoint (wpt)
	Address Book Entry

   - Query results are sorted based on the sorting type (match quality or proximity) selected on the Find screen. While a search is running, results are

automatically sorted as they become available. The top matches (closest name match or closest in distance to screen center) move to the top of the search results list, pushing the previous results down the list.

- Tap **Pause** to interrupt the search. Tap **Resume** to continue the search.
- If no matches are found, tap **Done** to return to the Find screen and perform another search.

7. Tap the desired item in the Find Results list and then tap **Go To** to display the feature at the center of the map view screen.
   Notes
   - To view information such as city, state, ZIP Code, and coordinates for the map feature, tap the desired item in the Find Results list and then tap **Info**. Tap **Done** on the Item Info screen to return to the Find Results list. You can then tap **Go To** to display the feature at the center of the map view screen.
   - To end the search session without locating a list item, tap **Done** at any time to return to the map view screen.

Note Tap **all** under Type to include waypoint (wpts) in the Find Results list.

Finding a Coordinate Location

You can use the Go To Position function in the Tools menu to find a coordinate location on your map.

To Find a Coordinate Location

Use the following steps to find a coordinate location.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **Tools** and then tap **Go To Position**.
3. Tap a number or letter in the coordinate and use the up and down arrows to make changes. Tap **Go To**.
   The map centers on the selected coordinate location.

GPS

Connecting Your GPS Receiver

Before you can record a GPS log, you must connect a GPS receiver to your handheld.

Once you have attached the GPS receiver to your handheld, you must initialize the GPS receiver by updating the fields in the GPS Settings screen in Street Atlas USA Handheld. Select your receiver, your state or coordinate location, and time zone for your area. For information on updating GPS Settings, see Updating Your GPS Settings.

Note NMEA-compatible GPS devices used with Street Atlas USA Handheld should be set to a mode corresponding to NMEA 183 version 2.0 at 4800 baud.

To Connect Your GPS Receiver

Use the following steps to connect to your GPS receiver.

1. Attach a GPS receiver to your Palm OS® handheld.
2. Open Street Atlas USA Handheld.
   The map view screen displays the last map file viewed.
3. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.

4. Tap **GPS** and then tap **Connect**.
   The handheld first attempts to detect the GPS receiver. The GPS then attempts to acquire a satellite fix. This process may take a few minutes. The position indicator on the map displays red when a satellite fix cannot be obtained, yellow when a 2-D fix is obtained, and green when a 3-D fix is obtained.
   If no GPS device is detected, an error message displays.

Notes

- From the GPS menu, tap **Disconnect** any time to disconnect.
- You can check the status of your GPS connection on the Monitor, Sky View, and Channel View screens under the GPS menu.
  - If the GPS receiver is receiving satellite data, but there is insufficient data for an accurate location, the status displays 2-D (or 2-D DGPS if you are using a WAAS-enabled device). Move your receiver to another location until you get better reception.
  - When a GPS connection is successful and the receiver is acquiring sufficient satellite data to determine your location, the status displays 3-D (or 3-D DGPS if you are using a WAAS-enabled device). A 3-D connection provides data on your current coordinates, elevation, heading, and the speed you are traveling while recording a GPS log. The blinking GPS Position icon ● displays at the center of the map view screen if you are not moving. Once you start traveling, the GPS Position icon changes to an arrow indicating direction of travel.
  - If you pan the map and the GPS Position is not in the map view, the GPS Off Map icon displays in the lower-left of the map view screen. Tap the icon to center the map on your current GPS Position.

Updating Your GPS Settings

When connecting your receiver to your Palm OS® handheld for use with Street Atlas USA® Handheld, you must update your GPS settings to initialize your GPS receiver.

Note NMEA-compatible GPS devices used with Street Atlas USA Handheld should be set to a mode corresponding to NMEA 183 version 2.0 at 4800 baud.

To Update Your GPS Settings

Use the following steps to update your GPS settings.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **GPS**, then tap **Settings**.
   The GPS Settings dialog box opens.
3. Next to Device, tap to select the type of device you are using.
4. Next to Port, tap to select the port that the GPS device is connected to.
5. Next to State, tap the state where you are currently located. Tap the up or down arrows or use the handheld's scroll buttons to locate the state abbreviation.
   Note If you have previously used your GPS receiver with Street Atlas USA Handheld, tap [Last Location] to use the last state used, or tap [Screen Center] to use the current screen center coordinates.

OR
Tap the **Default Location** field to manually enter your coordinates.
The Select Location screen displays. Tap a number or letter in the coordinate and use the up and down arrows to make changes. Tap **OK** to update the coordinates. The GPS Settings dialog box opens.

6. Next to DST, tap **On** if daylight saving time is in effect at your location.
7. GMT (Greenwich Mean Time) Offset displays the offset for the state's time zone relative to Greenwich Mean Time. Drag to select and then change the offset number.
8. If you have a DeLorme USB Earthmate, tap **Advanced** to change the LED and/or WAAS settings. Then, tap **OK** to return to the GPS Settings dialog box.
9. Tap **OK** to save settings. The map view screen displays.

Notes

- After the first initialization, all settings default to those created the last time you edited the GPS Settings screen.
- When you select a state, the center of the state is used for the initialization. Depending upon your location within the state, you may want to tap a neighboring state closer to your current location.
- If your coordinates are in the UTM/UPS system, and you change the easting and northing numbers to values not found in the current zone, the zone number and easting and northing values update to the correct zone, which displays in the Coords information area in the GPS Settings screen.

GPS Logging on a Palm OS Handheld

Connect a GPS receiver to your handheld and log your GPS session in Street Atlas USA® Handheld.

To Log a GPS Session

Use the following steps to set up and start logging your GPS session.

1. Tap the **Menu** button on your Palm OS handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **GPS** and then tap **Logging**.
   The GPS Logging dialog box opens.
3. Tap the down arrow next to Interval (underneath GPS Log) and then tap 2, 4, or 8 seconds.
4. Tap the record button to begin logging.
5. Optional. Tap the pause button to pause logging.
6. Tap the stop button to stop logging.
7. Tap **Done** to exit the GPS Logging dialog box.
   The map view screen displays.

Viewing a GPS Log on the Map on a Palm OS Handheld

Once you have created a GPS log in Street Atlas USA® Handheld, you can view the log on the map view screen.

To View a GPS Log

Use the following steps to view GPS logs you have created on a map.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** and then tap **GPS Logs**. The Data screen displays and the list of GPS log files you have created displays under the Source selection box.
3. From the list of log files, tap the name of the log you want to view. The log name is highlighted.
   Note Only one GPS log can be displayed on the map at a time.
4. Tap **Go To**. The map view displays the start point of the selected GPS log at map center.

Notes

- You cannot view a log file that is actively being logged.
- Tap **Beam** to beam selected GPS logs to another Palm OS handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Renaming and Viewing Information on a GPS Log File on a Palm OS Handheld

Once you have created a GPS log in Street Atlas USA® Handheld, you can rename the file or view information about the log at any time.

To Rename or View Information on a GPS Log File

Use the following steps to rename or view log information.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** and then tap **GPS Logs** to view the Data screen.
   The list of logs you have recorded displays under the Source selection box.
3. Tap **Details** to view details on each point and line segment in the log. The GPS Log Info screen displays the following:
   - The position (coordinates) for each log point
     Note Tapping the bold coordinate number centers the point on the map view screen.
   - The time the segment was recorded
   - The speed you were traveling when the line segment was recorded
   - The elevation in feet when the line segment was recorded
   - The bearing of the line segment
     Note If speed is zero, bearing displays as North.
4. Tap **File Details** to view the name, type, size, creation date, and location of the log file (within main or secondary memory). Tap **Rename** and then enter a new name in the Save As dialog box. Tap **OK** to save the change or tap **Cancel** to return to the Item Info dialog box.
5. When you have finished renaming or viewing information on a log, tap **Done**. Then tap **Done** again to return to the Data screen.
6. To view another log, select the desired log file and then tap **Go To**.
   The map view screen displays the start point of the selected log at map center.
   OR

If you have finished editing/viewing log files, tap **Done** to return to the map view screen.

Notes

- Tap **Beam** to beam selected map files to another Palm OS® handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data tab or the Menu button to display the Command drop-down menu.

Showing/Hiding a GPS Log on the Map on a Palm OS Handheld

When you create a new GPS log or tap **Go To** to view a log on the map, the log points and line segments for that log display on the map. The log continues to display on the map as you pan or perform other map functions unless you delete or hide the log, or until you exit Street Atlas USA® Handheld.

To Show/Hide a GPS Log

Use the following steps to show/hide a GPS log while viewing the map.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** and then tap **GPS Logs** to view the Data screen.
   The list of GPS logs you have created displays under the Source selection box.
3. Tap **Hide** to hide the log which currently displays.
   OR
   Tap **Show** to display a hidden log.
   Note The Show/Hide button is a toggle button.
4. Tap **Done** to return to the map view screen.
   The log no longer displays.
   Notes
   - Tap **Beam** to beam selected GPS logs to another Palm OS® handheld.
   - You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Deleting a GPS Log

You can delete any GPS log files you have recorded in Street Atlas USA® Handheld.

To Delete a GPS Log

Use the following steps to delete a log file.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** on the menu bar and then tap **GPS Logs** to view the Data screen. The list of log files you have recorded displays under the Source selection box.
3. From the list of GPS logs, tap the log file you want to delete. The log name is highlighted.
4. Tap **Delete**. A message box displays asking if you want to delete the selected log file.
5. Tap **OK** to delete the file. The Data screen displays and the log file is cleared from the list of GPS log files.
   OR
   Tap **Cancel** to return to the Data screen without deleting the log file.
6. Tap **Done** to display the map view screen.

Note You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Monitoring Your GPS Session on a Palm OS Handheld

Once you have updated your GPS settings and have a good connection to your GPS receiver, you can monitor the status of your GPS connection as well as your speed, heading, elevation, and position in latitude/longitude or UTM/UPS coordinates.

To Monitor GPS

Use the following steps to monitor your GPS session.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **GPS** and then tap **Monitor**. The Monitor GPS screen displays the following information.

Screen Item	Description
GPS Status Symbol (Displays in the lower-right corner of the screen.)	No connection Acquiring satellites 2-D GPS connection 3-D GPS connection
Bearing Compass	Compass needle turns to represent the current bearing.
Speedometer	Displays rate of speed.
Heading Text	Displays degrees to true north.

Elevation Text	Displays elevation in feet when GPS connection is 3-D.
Position Info Area	Displays coordinates in units as selected under Setting Preferences.

3. Tap **Done** to close the Monitor GPS screen.
   The map view screen displays.

Sky View on a Palm OS Handheld

The Sky View diagram displays the visible satellites, their assigned number (assigned by the Department of Defense), and position in the sky relative to your current position.

To View the Sky View Diagram

Use the following steps to display the Sky View diagram.

1. Tap the **Menu** button on your Palm OS handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **GPS** and then tap **Sky View**.
   The Sky View diagram displays with satellite symbols representing satellites being tracked by your GPS receiver.
3. Tap **Done** to close the Sky View diagram.
   The map view screen displays.

Note

Tap **Key** to display the Satellite Sky View Key for information on satellite status. Tap **Done** to close the Satellite Sky View Key. The Sky View diagram displays.

The following table gives a description of each of the key symbols.

Color of the Satellite Symbol	Description
##	GPS receiver is tracking the satellite, but is not receiving data from it.
▒	GPS receiver is tracking the satellite, ephemeris data is available, but the satellite is not being used for navigation.
■	GPS receiver is tracking the satellite, ephemeris data is available, and the satellite is being used for navigation.

Channel View

When connected to a GPS receiver, each satellite currently visible in the sky is listed by:

- Satellite number (Sat)
- Elevation degrees to horizon (El)
- Azimuth (Az)
- Signal-to-noise ratio (SNR)
- Status (N=navigation, E=ephemeris data, T=tracked, and D=differential mode for WAAS)

Note

The PDOP (Position Dilution of Precision), HDOP (Horizontal Dilution of Precision), and EHPE (Estimated Horizontal Position Error) values display at the bottom of the GPS Channel Info screen. Low PDOP, HDOP, and EHPE values indicate a higher probability of accuracy in position. The PDOP and HDOP values should be 0-10. The EHPE value should be 0-125 meters. *Not all values are available on all GPS receivers.*

To View the GPS Channel View Screen

Use the following steps to view the GPS Channel View Screen.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **GPS** and then tap **Channel View**. The GPS Channel Info screen displays information on the satellites being tracked by your GPS receiver. The status of the GPS connection displays in the lower section of the screen (to the right of the Done button).

No connection

Acquiring satellites

2-D 2-D GPS connection

3-D 3-D GPS connection

3. Tap **Done** to exit the GPS Channel Info screen.
   The map view screen displays.

Sun/Moon on a Palm OS Handheld

Change settings to view sun/moon status at different dates or in different time zones anywhere in the world. View the following information in the Sun/Moon screen for your current location in Street Atlas USA® Handheld.

- Sunrise/set and moonrise/set times (displayed in on a 24-hour clock, where 12 is noon and 24 is midnight)
- Moon phase
- Percentage of moon illumination

To open the Sun/Moon screen in Street Atlas USA Handheld, tap the Menu button on the handheld to display the menu bar, tap **GPS**, and then tap **Sun/Moon**. The Sun/Moon screen displays.

Note Settings changed on the Sun/Moon screen do not affect other screens.

To Change the Date

Use the following steps to view the sun/moon information for a particular date.

1. Tap the **Date** field.
   The Select Date calendar displays.
2. Tap the arrows to either side of the year to change the year.
3. Tap a month name to change the calendar to another month.
4. Tap a date on the calendar.
   The Sun/Moon screen displays with the selected date, the sunrise/set and moonrise/set times, and moon phase and illumination for the selected date.

Notes

- To use the current date, tap **Today**. The Sun/Moon screen displays the current date.
- To cancel any date changes, tap **Cancel**. The Sun/Moon screen displays.
- Changing the date in Sun/Moon does not change the system date on your handheld.

To Change the Time Zone

Change the time zone to view sun/moon information for another time zone.

Sun/moon information displays relative to the time zone you specify. For example, if you are in New York and want to view sun/moon status for a location in California, update the coordinates field to the California location. To view the sun/moon information as though you are in California, you must change the time zone to that of the California location.

Use the following steps to change the time zone.

- Next to Zone, tap the down arrow and select the number which represents the time zone of the desired location.
- Tap to select the **DST** check box if daylight saving time is in effect.
- Tap to select the **Behind GMT** (Greenwich Mean Time) check box if the time zone of the location is behind Greenwich Mean Time. For example, the East coast is 5 time zones behind GMT (4 time zones behind during Daylight Saving Time).
- Changing the time zone in Sun/Moon does not effect the system time zone settings found on handhelds with Palm OS 4.0 or greater.

To Change Coordinates

Coordinates can display in either latitude/longitude (degrees; degrees, minutes; degrees, minutes, seconds) or UTM/UPS format based upon the coordinate type selected under Preferences. For more information on setting preferences, see Setting Preferences.

Use the following steps to change your coordinates. Change coordinates to view sun/moon information for different locations.

1. Tap the **Coords** field.
   The Select Location screen displays.
2. Tap the number or letter you want to change.
   A box highlights your selection.
3. Tap the up and down arrows to change the coordinate number or letter.
4. Tap **OK** to save changes.
   The Sun/Moon screen displays the new coordinate numbers.
   OR
   Tap **Cancel** to return to the Sun/Moon screen without saving changes.

Note If your coordinates are in the UTM/UPS coordinate system and the easting and northing values you specify are not found in the current zone, the zone number and easting and northing values update and display in the Coords information area in the GPS Settings screen.

To Exit the Sun/Moon Screen

When you are done viewing sun/moon status information, tap **Done** to exit the Sun/Moon screen. The map view screen displays.

Preferences

Setting Preferences

Use the preferences option to change the map font, the map orientation, or the Info Area action, to assign specific functions to the application buttons on your handheld, etc.

The Preferences screen is divided into three sections: Map, Buttons, and Other.

Note For information on the application buttons on your particular handheld, see your user guide.

To Set Map Preferences

Use the following steps to set preferences in the Map section of the Preferences screen.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA® Handheld menu bar.
   Note You can also access the Preferences menu option by using the Graffiti® Menu Commands.
2. Tap **Options**, then tap **Preferences**.
   The Preferences dialog box opens.
3. Tap the **Map** tab.
4. Tap the down arrow next to each Map Preference option to display the list items available under each option.
   The table below describes the Map Preference options.

3.

Preference Option	Description
Resolution	If you are using a device with Palm OS® 5.2 or higher, you can select to view Street Atlas USA® Handheld with **High** or **Normal** resolution.
Map Font	There are two fonts available for displaying text for placenames, point labels, road names, etc. • Tap **Small** to set text to display with a small-sized font style. • Tap **Standard** to set text to display with a medium-sized font style. • Tap **Large** to set text to display with a large-sized font style.
POI Labels	You can choose whether or not to display the labels for points of interest (POI) such as placenames, landmarks, geographic features, historic buildings, and so forth. • Tap **Displayed** to view POI labels. • Tap **Hidden** to hide POI labels.
Crosshairs	Select **At Screen Center** to display crosshairs on the map. Select **Hidden** to hide crosshairs.
Orientation	Orientation refers to the direction on a compass in which the top of the map is pointing. The default orientation for the map on the Map View screen is

	North Up, which means the map orientation is north up. There are nine options to choose from: GPS (current direction of travel), North Up, Northeast Up, East Up, Southeast Up, South Up, Southwest Up, West Up, Northwest Up. **Note** You cannot change the orientation of raster maps. If you attempt to change the orientation of a raster map, and no vector data of that same location is available, a gray screen will display and no data will be available. If vector data is available at that same location, the vector data will display with the changed orientation.
Colors	There are two map color options available: • Tap **Default** to view the default map colors. • Tap **High Contrast** to change your map display to be darker (for improved in-vehicle visibility).

4.
5. Tap the desired item for each preference option and then tap **OK**. The map view screen or Info Area displays with the selected preference.

To Set Button Preferences

You may want to assign one of eight actions, Default, No Action, Map View, GPS Cycle..., Data, Add Wpt, Find, or Help to the application buttons located at the bottom of your handheld to either side of the scroll button. All but the Default and No Action options are specific for use while in the Street Atlas USA® Handheld application. Press the buttons to quickly access menus without having to use the menu bar.

Notes

- Tap **Default** to return the button actions to the Palm OS system preferences.
- Tap **No Action** to prevent any action if an application button is accidentally pressed.
- The application buttons return to their default Palm OS actions when you exit Street Atlas USA Handheld.

Use the following steps to assign an action to an application button.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
   Note You can also access the Preferences menu option by using the Graffiti Menu Commands.
2. Tap **Options**, then tap **Preferences**.
   The Preferences dialog box opens.
3. Tap **Buttons**.
   The Buttons dialog box opens.
4. Under any of the application button names and icons, tap the down arrow to display the available actions, and then tap the desired action for each button.

Action	Result When the Application Button is Pressed

Default	Uses the Palm OS system preferences.
No Action	No action occurs.
Map View	Displays the map view screen when you are in any other screen, such as the Data screen, the GPS Settings screen, the Sun/Moon screen, etc.
GPS Cycle	Lets you cycle through the Sky View, Channel View, Monitor GPS, and GPS Logging screens. Press the assigned application button to go to the next screen in the cycle. To stop the GPS Cycle, tap **Done** on any of the screens.
Data	The Data screen displays allowing you to view information on, rename, or delete files under the Maps, Routes, Wpts, or GPS Log Source selections. Press the button repeatedly to cycle through the Maps, Routes, Wpts, or GPS Log Data screens.
Add Wpt	The map refreshes and a waypoint displays at screen center or at the GPS position if a GPS receiver is connected. The waypoint is labeled wpt with a sequential number determined by the number of unnamed waypoints you have added. For example, if you have already added five unnamed waypoints in Street Atlas USA Handheld, the new waypoint is labeled "wpt6".
Find	The Find dialog displays allowing you to search for map features on the maps installed on your handheld.
Help	Displays the Help tips available for the screen that is currently displaying.

5. Tap **OK** to save the selection.
   The Preferences dialog box opens.
   OR
   Tap **Cancel** if you do not want to assign any actions to an application button.
   The Preferences dialog box displays.
6. Tap **OK**. The map view screen displays.
7. Press any of the application buttons on the handheld to use the assigned action while viewing the map.

To Set Other Preferences

Use the following steps to set preferences in the Other section of the Preferences screen.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
   Note You can also access the Preferences menu option by using the Graffiti Menu Commands.
2. Tap **Options**, then tap **Preferences**.
   The Preferences dialog box opens.
3. Tap the **Other** tab.
4. Tap the down arrow next to each Other Preference option to display the list items available under each option.
   The table below describes the Other Preference options.

Preference Option	Description
Coordinates	There are three latitude/longitude options as well as a UTM/UPS coordinate option available for use with the maps on your handheld. • For latitude/longitude coordinates, tap **Degrees**; **Degrees**, **Minutes**; or **Degrees**, **Minutes**, **Seconds**. • Tap **UTM/UPS** to display coordinates in the UTM (Universal Transverse Mercator) system or the UPS (Universal Polar Stereographic) system. Coordinates display the zone number and letter with the easting and northing numbers. Example: 19 T 504780 5086751.
Units	There are four unit options available under Preferences: • **mi, ft** (miles, feet) • **km, m** (kilometers, meters) • **NM, ft** (Nautical Miles, feet) • **NM, m** (Nautical Miles, meters)

Info Area	The Info Area updates each time you use the map. When the map is not in use, you can select a static or cycling display. • Tap **Static** to lock the display. The GPS and Tracking buttons display until the next map action unless you are tracking an object. When tracking, the distance and bearing periodically displays. • Tap **Cycling** to allow the Info Area to cycle through the GPS and Tracking buttons, the current coordinates of screen center, the current time, and the current battery level of the handheld, or any tracking or GPS information until the next map action.
Navigation Panel	Select **On While Tracking** to view the Navigation Panel while tracking or **Off** to view the Info Area while tracking. The Navigation Panel has two drop-down menus that let you view time to turn, distance to turn, time to finish, distance to finish, speed, heading, elevation, time of day, and battery level. It also displays a turn arrow and the street of your next turn (when tracking a road route) or a compass directional icon (for example, N for North) and the name of your destination (when tracking against direct routes, waypoints, and map features).
Off Route	When tracking along a route with a GPS device, enter the minimum distance away from your route that you want to reach before being notified that you are off route. Once you are notified, an alert icon displays in the bottom-right corner of the map display. Tap the alert icon to recalculate the route based on your current GPS position.
Voice	To hear voice prompts while tracking to a map feature, waypoint, address book entry, or along a route, tap to select **On While Tracking**. If you do not want to hear voice prompts, tap to select **Off**.

5. Tap the desired item for each preference option and then tap **OK**. The map view screen or Info Area displays with the selected preference.

Waypoints

Adding Waypoints

Use waypoints (wpts) on the map to mark specific locations or to use as points along a route.

To Add a Waypoint

Use the following steps to add a waypoint to the map.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **Tools** and then tap **Add Wpt**.
   The Add Wpt icon displays in the center of the map view screen.
3. Tap the location on the map where you want to place the waypoint.
   The Add Wpt icon displays at that location.
   Note If you need to pan the map to place a waypoint at a particular location, pan to the location and then tap the map view screen at the location at which to place the waypoint icon.
4. Tap the waypoint (wpt) icon to lock the icon to the location.
   The Wpt Info dialog box opens.
5. Optional. Enter a new name for the waypoint, a map feature or placename the waypoint is close to, or any comment about the waypoint. The coordinates of the waypoint display in the dialog box.
   Note "Close to" information displays as extended information when querying a waypoint.
6. Optional. to change the style or color of the waypoint symbol, tap the symbol style and color from the available lists.
7. Tap **Done** when finished.
   The map view screen displays and the new waypoint displays at the location you selected.

Note You can also add a waypoint using the Graffiti® Menu Commands.

Centering the Map on a Waypoint

Waypoints display on the map view screen as soon as they are added. You can create many waypoints on your Palm OS® handheld. These waypoint (wpt) files are stored on your handheld and can be accessed at anytime.

To Center Your Map on a Waypoint

Use the following steps to center the map on a waypoint you have added.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **Data** and then tap **Wpts**.
   The Data screen displays and the list of waypoints you have created displays under the Source selection box.
3. Tap the waypoint you want to locate. The waypoint name is highlighted.
4. Tap **Go To**. The map view screen centers on the selected waypoint.

Notes

With Street Atlas USA Handheld, you can:

- Access the waypoint menu option by using the Graffiti® Menu Commands.
- Tap **Beam** to beam selected waypoints to another Palm OS handheld.
- Access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Editing a Waypoint on a Palm OS Handheld

Edit waypoint file information of any waypoint (wpt) you have created in Street Atlas USA® Handheld.

To Edit a Waypoint

Use the following steps to edit waypoint file information.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** and then tap **Wpts**.
   The Data screen displays and the list of waypoints you have created displays under the Source selection box.
3. Tap the waypoint file you want to edit and then tap **Details**.
   The Wpt Info dialog box displays. In the dialog box you can edit or add a:
   - Name in the Name field.
   - Placename or map feature in the Close To field.
   - Comment in the Comment field.
   - Symbol style.
   - Symbol color.
4. Tap **Done** to return to the Data screen.
5. If you have no other waypoint files to edit, tap **Done** to return to the Map View screen.

Notes

- Access the waypoint menu option by using the Graffiti® Menu Commands.
- Tap **Beam** to beam selected waypoints to another Palm OS® handheld.
- Access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Deleting a Waypoint

You can delete any waypoint (wpt) files you have created in Street Atlas USA® Handheld.

To Delete a Waypoint

Use the following steps to delete a waypoint file.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** and then tap **Wpts**.
   The Data screen displays and the list of waypoints you have created displays under the Source selection box.

3. Tap the waypoint you want to delete.
   The waypoint name is highlighted.
4. Tap **Delete**.
   A message box displays asking if you want to delete the selected waypoint file.
5. Tap **OK** to the delete the waypoint.
   The waypoint file is deleted from the list and no longer displays on the map.
   OR
   Tap **Cancel** to return to the Data screen without deleting a waypoint.
6. When finished deleting waypoints, tap **Done** to display the map view screen.

Notes

- Access waypoint menu options by using the Graffiti® Menu Commands.
- Access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Route

Creating a Direct Route

With Street Atlas USA® Handheld you can create direct routes to plan trips or to follow along when connected to a GPS receiver. When you calculate a direct route, the shortest distance between the start and finish points is measured with a straight line, without turns or following particular roads.

Note Only one route can display on the map at a time. When you create a second route and save the route file, the map centers on the start point of the new route (if you are not tracking along a route) and the previous route is cleared from the map.

To Create a Direct Route

Use the following steps to create a direct route on your Palm OS® handheld.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Tools** and then tap **Create Direct Route**.
   The Calculate Direct Route icon displays in the upper-right corner of the map view screen and the Erase icon displays in the upper-left corner of the map view screen.
3. Tap the locations on the map where you want to place each point in the route. Each time you tap the map while in Direct Route mode, a point is placed on the map and a line segment displays between the points. Then, tap the **Calculate Direct Route** icon.
   Notes
   - If you have placed a point on the route incorrectly, tap the **Erase** icon. The last point placed, as well as the line segment between it and the previous point, is cleared. Clear a whole route by tapping the **Erase** icon until all points and line segments are cleared.
   - If you need to pan the map to place another route point, drag the map to the appropriate location and tap the map view screen at the desired location to place the next point and line segment in the route.

AND/OR

Tap the **Calculate Direct Route** icon and enter the points of your route using one/all of the three available choices:

- From the **Add** list box, tap **Find** to search for points and to display the find screen. Enter the name for a particular map feature and conduct a search for the feature. Select the feature from the **Find Results** screen to add to your route and then tap **Search**. The selected feature is added to the route. For more information on using the Find feature, see Finding Map Features.
- From the **Add** list box, tap **Wpt** to use existing waypoints and to display the Wpt List screen. Select the waypoint from the list and then tap **OK**. The selected waypoint is added to the route. For information on adding waypoints, see Adding Waypoints.
- From the **Add** list box, tap **Address Book Entry** to use an Address Book entry as a point in your route (only entries with address information are included in the list). Select the entry from the list and then tap **OK**. The selected entry is added to the route.
- From the **Add** list box, tap **Screen Center** to use the current screen center as a point in your route. Screen Center points are labeled as "Screen Center" when information for that location is unavailable.

Notes

- You can change the order of points in your route using the up and down arrow buttons.
- You can delete a point from your route using the delete button .

4. Tap **Calculate**.
   The route is automatically saved.

Creating a Road Route

With Street Atlas USA® Handheld you can create road routes to plan trips or to follow along when connected to a GPS receiver. Road routes are especially helpful for trip planning, providing you with turn-by-turn route directions from the beginning of your route until the end.

Only one route can display on the map at a time. When you create a second route and save the route file, the map centers on the start point of the new route (if you are not tracking along a route) and the previous route is cleared from the map.

To Create a Road Route

Use the following steps to create a road route.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Tools** and then tap **Create Road Route**.
   The Road Route icon displays in the upper-right corner of the map view screen and the Erase icon displays in the upper-left corner of the map view screen..
3. Tap the locations on the map where you want to place each point in the route. Each time you tap the map while in Road Route mode, a point is placed on the map and a line segment displays between the points. Then, tap the **Road Route** icon .
   Notes

- If you have placed a point on the route incorrectly, tap the **Erase** icon . The last point placed, as well as the line segment between it and the previous point, is cleared. Clear a whole route by tapping the **Erase** icon until all points and line segments are cleared.
- If you need to pan the map to place another route point, drag the map to the appropriate location and tap the map view screen at the desired location to place the next point and line segment in the route.

AND/OR

Tap the **Road Route** icon and enter the points of your route using one/all of the three available choices:

- From the **Add** list box, tap **Find** to search for points and to display the find screen. Enter the name for a particular map feature and conduct a search for the feature. Select the feature from the **Find Results** screen to add to your route and then tap **Search**. The selected feature is added to the route. For more information on using the Find feature, see Finding Map Features.
- From the **Add** list box, tap **Wpt** to use existing waypoints and to display the Wpt List screen. Select the waypoint from the list and then tap **OK**. The selected waypoint is added to the route. For information on adding waypoints, see Adding Waypoints.
- From the **Add** list box, tap **Address Book Entry** to use an Address Book entry as a point in your route (only entries with addresses are included in the list). Select the entry from the list and then tap **OK**. The selected entry is added to the route.
- From the **Add** list box, tap **Screen Center** to use the current screen center as a point in your route. Screen Center points are labeled as "Screen Center" when information for that location is unavailable.

Notes

- You can change the order of points in your route using the up and down arrow buttons.
- You can delete a point from your route using the delete button .

4. From the **Method** list box, tap your preferred routing method (quickest or shortest).
5. When you have added all the points to your route, tap **Calculate**.

Renaming and Viewing Information on a Route File on a Palm OS Handheld

Once you have created a route in Street Atlas USA® Handheld, you can rename the file or view information about the route at any time.

To Rename or View Information on a Route

Use the following steps to rename or view route information.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** and then tap **Routes**.
   The Data screen displays and the list of routes you have created displays under the Source selection box.
3. Tap the route file you want to rename and then tap **Details**. The Item Info dialog box displays the following:

For Direct Routes	For Road Routes
• The point name (labeled with the name of the nearest map feature) • Coordinate information for each route point. • Line segment distance for segments between that point and the next. • The cumulative distance of each successive line segment in the route. • The total route distance at the end of the list of points. **Note** Tap the bold point name to center the selected route point on the Map View screen.	• The road name • The leg distance • The time required to travel the leg • The distance of the leg • The direction of travel • Turn information • The total trip time • The total trip distance **Note** Tap the bold point name to center the selected route point on the Map View screen.

4. When you have finished renaming or viewing information on a route, tap **Done** to return to the Data screen.
5. If no further edits or information on route files are necessary, tap **Done** to return to the map view screen.

Notes

- Tap **Beam** to beam selected routes to another Palm OS handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Viewing a Route on Your Map on a Palm OS Handheld

Once you have created a route in Street Atlas USA® Handheld, you can view one route at a time on the map view screen.

To View a Route

Use the following steps to view routes you have created on a map.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** and then tap **Routes**. The Data screen displays and the list of routes you have created displays under the Source selection box.
3. From the list of routes, tap to select the route file you want to view. The route name is highlighted.
4. Tap **Go To**. The map view displays the start point of the selected route at map center.

Notes

- Only one route at a time can be displayed on the map.
- Tap **Beam** to beam selected routes to another Palm OS® handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Showing/Hiding a Route on the Map on a Palm OS Handheld

When you view a particular route on the map view screen, the route continues to display as you pan or perform other map functions, unless you delete or hide the route or display another route on the map. Only one route can display on the map view screen at a time.

To Show/Hide a Route

Use the following steps to show/hide a route while viewing the map.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **Data**, then tap **Routes**. The Data screen displays and the list of routes you have created displays under the Source selection box.
3. Tap **Hide** to hide the route which currently displays.
   OR
   Tap **Show** to display the route that is currently hidden.
   Note The Show/Hide button is a toggle button.
4. Tap **Done** to return to the map view screen. The route no longer displays.

Notes

- Tap **Beam** to beam selected routes to another Palm OS® handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Deleting a Route on a Palm OS Handheld

You can delete any route files you have created in Street Atlas USA® Handheld.

To Delete a Route

Use the following steps to delete a route file.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Data** on the menu bar and then tap **Routes**.
   The Data screen displays and the list of route files you have created displays under the Source selection box.
3. In the list of routes, tap the route file you want to delete.
   The route name is highlighted.
4. Tap **Delete**.
   A message box displays asking if you want to delete the selected route file.
5. Tap **OK** to delete the file.
   The Data screen displays and the route file is cleared from the list of route files.
   OR
   Tap **Cancel** to return to the Data screen without deleting a route file.
6. When finished deleting route files, tap **Done** to display the map view screen.

Note You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Reversing the Direction of a Route on a Palm OS Handheld

Once you have created a route in Street Atlas USA® Handheld, you can reverse its direction at any time.

To Reverse the Direction of a Route

Use the following steps to reverse the direction of a route.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. From the **Data** menu, tap **Routes** to view the Data screen.
   The list of routes you have created displays under the Source selection box
3. To reverse a route file, tap the file to select it and then tap **Reverse**.
   A progress bar displays and then disappears once the route is reversed.

Distance

Measuring Distance on a Palm OS Handheld

Use the Distance tool to measure the distance in feet or miles from one map feature to another.

To Measure Distance

Use the following steps to measure distance on the map.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **Tools**, then tap **Distance**.
   The Distance tool icon displays in the upper-right corner of the map view screen and the Erase tool icon displays in the upper-left corner of the map view screen.
3. Tap the location on the map where you want to place the first point from which to measure distance.
   A point displays on the map view screen indicating the point tapped.
   Note If you need to pan the map to place a point at a particular location, pan to the location and tap the map view screen at the desired location to place the point.
4. Tap the map again to place another point on the map. Each time you tap the map while in Distance mode, a point is placed on the map and a line segment displays between the points. When you create a new line segment, the segment length (as well as the total distance of all segments drawn), displays in the Info Area below the map view.
   Note If you have placed a point on the distance measure line incorrectly, tap the Erase icon. The last point and the line segment between it and the previous point are cleared. Clear a whole distance measure line by tapping the Erase icon until all points and line segments are cleared.
5. To exit the Distance mode, tap the Distance tool icon.
   The distance measure points and line segments are cleared from the map.

Tracking

Tracking Overview for Palm OS Handheld

With Street Atlas USA® Handheld on your Palm OS device, you can track to a map feature, a waypoint, an address book entry, or along a route you have created. If you are connected to a GPS receiver, use tracking to guide you to your destination.

Notes

- When tracking with a GPS device, position is determined by the GPS position not the screen center.
- When tracking toward a map feature, waypoint, or along a route with a GPS receiver connected, bearing and distance to the destination point is based on your GPS location.
- You must stop tracking one feature to begin tracking another.

You must tap one of the four items in the Source box to track toward.

Find—Use the Find feature to search for and select a specific map feature.

Wpts—Select a waypoint from the list of those you have created.

Address Book Entry—Select a contact from your Address Book.

Routes—Select a route from the list of those you have created.

Once you have selected an item to track toward, tap **Start Tracking** to begin tracking. Tap **Stop Tracking** to stop tracking.

As you track to a destination point (map feature, waypoint, address book entry, or route), the Tracking icon displays if the ending destination point is not in the current map view. Pan the map to the destination point or tap the Tracking icon to center the map on the map feature, waypoint, or route point.

If you have the Navigation Panel enabled and are tracking towards a direct route, a compass direction displays along with the name of your destination. If you have the Navigation Panel enabled and are tracking towards a road route, a turn arrow along with the name of the road of your next turn display. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel enabled, the Info Area displays the distance and bearing to the destination (for direct routes, waypoints, and map features) or turn information (for road routes).

Tracking to a Map Feature on a Palm OS Handheld

Use the Find feature to search for a specific map feature to track to. For information on using Find, see Finding Map Features and for an overview of the tracking feature, see Tracking Overview.

To Track to a Map Feature

Use the following steps to track to a map feature.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **Tools** and then tap **Tracking**.
   The Select Track screen displays.
3. In the Source box, tap **Find**.
   The Find dialog box opens.
4. Tap to select a search method (Begins With, Fuzzy Find, or Contains) above the Find text field.
5. Enter a name (i.e., Main St, I-95, Town Park) in the Find field. Edit any of the six categories, Type, State, City, ZIP Code, Radius, Maximum, or Sort by (choose match quality or proximity) to narrow the search field.
6. Tap **Search**. The find results screen displays the running list of matches.
   - If you chose to sort by match quality, the best matches display at the top of the list.
   - If you chose to sort by proximity, the matches closest to screen center or your GPS location display at the top of the list.
7. Tap the feature you want to track and then tap **OK**.
   The Select Track screen displays with the selected feature name under the Source box.
8. Tap the feature name and then tap **Start Tracking**.

   The map view screen displays the Tracking icon indicating the direction of track to the selected feature's destination point if the destination is off the current map view. If you have the Navigation Panel enabled, a compass direction displays along with the name of your destination. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the

Navigation Panel enabled, the Info Area displays the distance and bearing to the destination.

9. Pan the map to the destination point or tap the Tracking icon to center the map on the map feature.
   OR
   If tracking while connected to a GPS receiver, the map pans as you move toward your destination point.

Note To discontinue a tracking session, open the Select Track screen, tap **Stop Tracking**, and then tap **Done**. The map view screen displays.

Tracking to a Waypoint on a Palm OS Handheld

You can track any waypoint (wpt) you have added in Street Atlas USA® Handheld. For an overview of the tracking feature, see Tracking Overview.

To Track to a Waypoint

Use the following steps to track to a waypoint.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Tools** and then tap **Tracking**.
   The Select Track screen displays.
3. In the Source box, tap **Wpts**.
   The list of waypoints you have added displays.
4. Tap the waypoint you want to track toward and then tap **Start Tracking**.
   The map view screen displays the Tracking icon indicating the direction of track to the selected waypoint's destination point if the destination is off the current map view. If you have the Navigation Panel enabled, a compass direction displays along with the name of your destination. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel enabled, the Info Area displays the distance and bearing to the destination.
5. Drag the map to the destination point or tap the icon to center the map on the waypoint.
   OR
   If tracking while connected to a GPS receiver, the map pans as you move toward your destination point.

Note To discontinue a tracking session, open the Select Track screen, tap **Stop Tracking**, and then tap **Done**. The map view screen displays.

Tracking to an Address Book Entry on a Palm OS Handheld

You can track towards an entry in the Palm OS® Address Book. For an overview of the tracking feature, see Tracking Overview.

To Track to an Address Book Entry

Use the following steps to track to an address book entry.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **Tools** and then tap **Tracking**.
   The Select Track screen displays.
3. In the Source box, tap **Address Book Entries**.
   The list of contacts in the Address Book displays.
4. Tap the entry you want to track toward and then tap **Start Tracking**.

   The map view screen displays the Tracking icon indicating the direction of track to the selected entry's destination point if the destination is off the current map view. If you have the Navigation Panel enabled, a compass direction displays along with the name of your destination. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel enabled, the Info Area displays the distance and bearing to the destination.
5. Drag the map to the destination point or tap the icon to center the map on the entry.
   OR
   If tracking while connected to a GPS receiver, the map pans as you move toward your destination point.

Note To discontinue a tracking session, open the Select Track screen, tap **Stop Tracking**, and then tap **Done**. The map view screen displays.

Tracking Along a Route on a Palm OS Handheld

You can track along a route you have loaded on your handheld device in Street Atlas USA® 2009 Handheld. For an overview of the tracking feature, see Tracking Overview.

To Track Along a Route

Use the following steps to track along a route.

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Tools** and then tap **Tracking**.
   The Select Track screen displays.
3. In the Source box, tap **Routes**.
   The list of routes you have created displays.
4. Tap the route you want to track along and then tap **Start Tracking**. The map view screen displays the Tracking icon indicating the direction of travel to the finish point if the destination is off the current map view. If you have the Navigation Panel enabled and are tracking towards a direct route, a compass direction displays along with the name of your destination. If you have the Navigation Panel enabled and are tracking towards a road route, a turn arrow along with the name of the road of your next turn display. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel

enabled, the Info Area displays the distance and bearing to the destination (for direct routes, waypoints, and map features) or turn information (for road routes).

5. Pan the map to the point.
   The Info Area displays the distance to the next line segment in the route and the point name.
   OR
   If tracking while connected to a GPS receiver, the map pans as you move toward each destination point.

Notes

- To discontinue a tracking session, open the Select Track screen, tap **Stop Tracking**, and then tap **Done**. The map view screen displays.
- When tracking, your handheld device will beep before each turn.
- The next segment of your route will be highlighted on the tracking screen.

Using the Navigation Panel on a Palm OS Handheld

Street Atlas USA® Handheld lets you change the view of the Info Area so that you can easily view information for the next turn while tracking.

To View the Navigation Panel on a Pocket PC

1. Tap the **Menu** button on your Palm OS® handheld to display the Street Atlas USA Handheld menu bar.
2. Tap **Options**, tap **Preferences**, and then tap **Other**. The Preferences dialog box displays.
3. Tap the down arrow next to Nav Panel to display the list items available under that option.
4. Tap **On While Tracking**.
5. When tracking, the Navigation Panel displays in place of the Info Area. It displays:

When tracking against a road route, the Navigation Panel displays...	**When tracking against a waypoint, map feature, or direct route, the Navigation Panel displays...**
A turn arrow, indicating the direction of your next turn	A compass direction (such as N for North) for the direction to your destination.
The name of the road you will be turning on next.	The name of your destination.
Two drop-down menus with the following options: • **Time to Turn**—Displays the time until your next turn for road routes. Displays N/A when selected while tracking against a waypoint, map feature, or direct route. • **Distance to Turn**—Displays distance to next turn for road and direct routes. Displays distance to the destination for waypoints and map features. • **Time to Finish**—Displays the time remaining until you reach your finish point for road routes. Displays N/A when selected while tracking against a waypoint, map feature, or direct route. • **Distance to Finish**—Displays the distance until you reach your finish point.	

- **Speed**—Displays the speed while tracking with a GPS device. Displays N/A when not tracking with a GPS device.
- **Heading**—Displays the current heading (direction of travel according to the GPS) while tracking with a GPS device. Displays N/A when not tracking with a GPS device. **Note** If you are tracking with a GPS device but not moving, the Heading will be 0 degrees.
- **Elevation**—Displays the current elevation while tracking with a GPS device. Displays N/A when not tracking with a GPS device.
- **Time of Day**—Displays the current time (as displayed on your handheld computer).
- **Battery Level**—Displays the status of your battery level.

Using a Storage Card

Moving Files on a Palm OS Handheld

If you have a storage card installed on your handheld, you can move map files from the main memory of the handheld to secondary storage and vice versa. On the Data screen, map files existing on an attached storage card display a card symbol to the right of the file name.

Note Do not remove the storage card from the handheld while moving files.

To Move Files To and From Main Memory

Use the following steps to move map files to and from the handheld's main memory.

1. Tap the **Menu** button on your handheld to display the Street Atlas USA® Handheld menu bar.
2. Tap **Data** on the menu bar and then tap **Maps**.
   The Data screen displays and the list of map files you have created displays under the Source selection box.
3. Tap the file you want to move and then tap **Details**.
   The Item Info screen displays.
4. Tap the information area next to Location.
   The Move Package dialog box opens.
   - The name of the file you tapped displays next to Move.
   - The current location of the file displays next to From.
     - If the file is in main memory, Main Memory displays.
     - If the file is on a attached storage card, the card symbol and the name of the storage card displays.
   - The location you want to move the file to displays next to To. If you have more than one storage card, tap the down arrow to display the card names. Tap the desired card name to select it.
5. Tap **OK** to move the map file.
   The Moving Data progress bar displays. When the process in complete, the Item Info screen displays.

Notes

- Tap **Beam** to beam selected map files to another Palm OS® handheld.
- You can also access Data screen commands (Delete, Go To, Details, and Beam) by tapping the Data screen menu bar or the Menu button to display the Command drop-down menu.

Pocket PC Help

Map Files

Viewing Maps on Your Pocket PC Device

Street Atlas USA® Handheld gives you the ability to create map files in your DeLorme mapping application and view street-level maps on a Pocket PC device. Select and export map rectangles from your DeLorme mapping application to your handheld and then add waypoints to the map, create a direct route, or create a road route on the map.

To View Maps on Your Handheld

Use the following steps to view maps installed on your handheld.

1. Open Street Atlas USA Handheld. If you have already run the application and have one or more maps loaded, the handheld screen displays the last map viewed.
   Note If no maps are installed (i.e., map files were deleted or not accessible to the handheld), the "No maps loaded on device." error message displays.
2. Tap **Data** and then tap **Maps**.
   The Data screen displays the list of map files available on your Pocket PC device.
   Notes
   - An eye symbol next to the map file name indicates the map(s) currently displaying on the map view screen.
   - An hourglass symbol indicates it is a large file and may take longer to view on the screen.
4. Tap the map file and then tap **Go To**.
   The center of the map file is aligned with the screen center on the map view screen.

Note Once in the Data screen, tap the **Directories** button to load multiple map files from a particular directory or to clear any map file directories you have previously selected.

Renaming a Map File on a Pocket PC Device

Map files are named in the Handheld Export tab of your DeLorme mapping application. Once a map file has been downloaded to your Pocket PC handheld, you can rename it using the Rename option in the Data screen.

To Rename a Map File

Use the following steps to rename a map file.

1. Tap **Data** and then tap **Maps**.
   The Data screen displays the list of map files available on your Pocket PC device.
   Notes
   - An eye symbol ◉ next to the map file name indicates the map(s) currently displaying on the map view screen.
   - An hourglass symbol indicates it is a large file and may take longer to view on the screen.
2. From the list of map files, tap the name of the map file you want to rename.
3. Tap **Rename**.
4. Enter a name, assign a folder, and assign a location for the file.
   Note ActiveSync synchronizes only files located in Main Memory.
5. Tap **ok** to accept the change.
6. Tap **ok** to return to the map view screen.

Note Once in the Data screen, tap the **Directories** button to load multiple map files from a particular directory or to clear any map file directories you have previously selected.

Deleting a Map File on a Pocket PC Device

You can delete any map files you have installed on your Pocket PC handheld.

Waypoints, routes, and GPS logs are not cleared from the map view screen when a map is deleted. To delete waypoints, routes, or GPS logs, see the following topics.

- Deleting a Waypoint
- Deleting a Route
- Deleting a GPS Log

To Delete a Map File

Use the following steps to delete a map file.

1. Tap **Data** on the menu bar and then tap **Maps**.
   The Data screen displays the list of map files available on your Pocket PC device.
2. From the list of map files, tap the name of the map file you want to delete.
3. Tap **Delete**.
   A message box displays asking if you want to delete the selected map file.
4. Tap **Yes** to delete the file.
   The Data screen displays and the map file is cleared from the list of map files.
   OR
   Tap **No** to return to the Data screen without deleting a map file.

The Data Screen

Showing/Hiding Raster and/or Vector Data On Your Map on a Pocket PC

You can choose to show or hide vector and/or raster data on your map.

To Show/Hide Data

Use the following steps to show/hide vector and/or raster data on your map.

1. Tap **Data** and then tap **Maps**.
   The Data screen displays the list of map files available on your Pocket PC device.
2. Tap to select a map file and then tap **Details**.
3. Under Data, select the **Draw Vectors** check box to show vector data on your map.
   OR
   Under Data, clear the **Draw Vectors** check box to hide vector data on your map.
4. Under Data, select the **Draw Rasters** check box to show raster data on your map.
   OR
   Under Data, clear the **Draw Rasters** check box to hide raster data on your map.
5. Tap **ok** to return to the Data screen.
6. Tap **ok** to return to the map view screen.

Notes

- If you choose to hide both the vector and raster data, no map data will be available.
- The vector or raster check box is invisible when the map does not contain that type of data.

The Data Screen on a Pocket PC Device

The Data screen in Street Atlas USA® Handheld lets you view a list of the map files you have installed on your Pocket PC handheld as well as any waypoints (Wpts), routes, or GPS logs you have created.

To View Files in the Data Screen

Use the following steps to view files in the Street Atlas USA Handheld data screen.

1. Tap **Data**.
2. Tap **Maps**, **Routes**, **Wpts**, or **GPS Logs**.

Tap this option...	To view...
Maps	Maps created in Street Atlas USA 2009 and installed on your handheld or located on a storage card.
Routes	Routes created on the handheld or Street Atlas USA 2009.
Wpts	Waypoints added on the handheld.
GPS Logs	GPS Logs recorded on the handheld while using a GPS receiver.

3. The Data screen displays and the list of files you have displays in the file list. Select a file and tap **Details** to display information for your selection. The following information displays (based on the option you selected in step 2).

Maps	Wpts	GPS Logs	Routes	
			For Direct Routes	**For Road Routes**
• Name • Type (type of map and if there is routing information) • Cutter information • Show/hide raster and/or vector data	• Name • Close to (city, state, and ZIP Code—if available) • Comments • Waypoint symbol and color • Coordinates	• Coordinate information • Entry number • Speed • Elevation • Heading **Note** Tap the bold coordinate and then tap **Go To** to center the map on that ocation.	• The point name (labeled with the name of the nearest map feature) • Coordinate information for each route point. • Line segment distance for segments between that point and the next. • The cumulative distance of each successive line segment in the route. • The total route distance at the end of the list of points. **Note** Tap the bold point name to center the selected route point on the Map View screen.	• The road name • The leg distance • The time required to travel the leg distance • The distance of the leg • The direction of travel • The total trip time • The total trip distance **Note** Tap the road symbol next to the desired route segment to center that route point on the Map View screen.

The Data screen displays differently for the following options.

- **Maps**—An eye symbol before the map name indicates the map currently displays on the map view screen.
- **Routes or GPS Logs**—The Show/Hide toggle button is available. Tap **Hide** to clear a route or GPS log from the map view screen. Tap **Show** to make the selected route available on the map view screen. You can also reverse the direction of a route by tapping the **Reverse** button.

4. Tap **ok** to exit the Details screen and return to the Data screen.
5. If you selected Routes, Wpts, or GPS logs in step 2, you can also tap the **Find File** button to browse for a particular route, waypoint, or GPS log. Select a folder and file type. All of the files meeting that criteria display. Tap a file to view it on the Data screen.
   OR
   If you selected Maps in step 2, you can tap the **Directories** button to load multiple map files from a particular directory or to clear any map file directories you have previously selected.

Notes

- Once you are in the Data screen, you can change your source by selecting an alternate option from the Source drop-down list. The Data screen updates to show the files associated with that source.
- The tracking icon displays next to the route or waypoint you are tracking against.
- An eye symbol next to the map file name indicates the map(s) currently displaying on the map view screen.
- An hourglass symbol indicates it is a large file and may take longer to view.

The Map View Screen

Panning and Centering the Map on a Pocket PC Device

Tap and drag with the stylus to pan the map in Street Atlas USA® Handheld. You can also center the map in several different ways.

To Center the Map

Use any of the following methods to center the map.

- From the Data screen, tap **Go To** to center the map on the selected map waypoint, the start point of a route, or the start point of a GPS log.
- Tap a map feature located by Find and then tap **Go To** to center the feature on the map.
- Tap the **GPS Off Map** icon to center the map on your GPS position.
- Tap the **GPS Position** icon to center the map on your GPS position.
  Note The GPS Position icon displays only when you are not moving while connected to a GPS receiver.
- Tap the **Tracking** icon to center the map on a map feature, a waypoint (Wpt), or a segment of a route you are tracking.
- Tap **Tools** and then tap **Go To Position**. Then, tap a number or letter in the coordinate and use the up and down arrows to make changes. Tap **Go To** to update the coordinates and center the map on that location.

The Map View Screen on a Pocket PC Device

The map view screen in Street Atlas USA® Handheld is the area where map files created in Street Atlas USA 2009 display. It is also the area where you can access the menu bar in order to create routes, add waypoints, measure distances, as well as other map functions.

On the map view screen you can:

- Access all menu options through the menu bar.
- Query map features.
- Create a direct route.
- Create a road route.
- Find a point of interest.
- Add a waypoint.

- Measure distances.
- Track to a map feature, waypoint, or along a route.
- Start or stop a GPS connection.

Changing the Data Zoom Level of the Map on a Pocket PC Device

Use the scroll buttons on your handheld to change the data zoom level on your map.

To Change the Data Zoom Level of the Map

Zoom in on the map to increase the data zoom level and display more geographic detail; zoom out to decrease the data zoom level and display less geographic detail.

- Press and release the **Down** scroll button on your handheld to zoom in to the map one data zoom level at a time.
- Press and release the **Up** scroll button on your handheld to zoom out from the map one data zoom level at a time.
- Press and hold the **Up** or **Down** scroll buttons to quickly zoom to the highest or lowest data zoom levels.

Notes

- As you zoom using the scroll buttons, text displays in the information area above the menu bar indicating the data zoom level you are zooming in to or out from. The current data zoom level displays until the map redraws.
- Some devices also have controls on the sides of the device that allow them to zoom in and out.

Menu Options for a Pocket PC Device

There are several menu options in Street Atlas USA® Handheld. Menu options are available in the menu bar at the bottom of the map view screen.

To Use the Menu Options

Tap a main menu option to display the menu items available under each option. The following table describes the three main menu options and a description of the menu items each contains.

Tap the main menu option...	Then tap the menu item...	To...
Data	Maps	View map file/cutter information, display a map (Go To), show/hide vector and/or raster data, or rename or delete map files.
	Routes	View information on a route you have created (direct or road), center the map on a route (Go To), show/hide, rename, reverse, or delete a route.

	Wpts	View waypoints (Wpt) you have added, center the map on a waypoint (Go To), or edit, rename, or delete waypoints.
	GPS Logs	View information on GPS Log files, center the map on the GPS log (Go To), show/hide, rename, or delete GPS log files.
	Exit	Exit the application.
GPS	Connect	Connect your GPS device to receive satellite data.
	Disconnect	Disconnect your GPS device.
	Settings	View and, if necessary, set GPS settings.
	Logging	Activate GPS logging at connection, change logging time intervals, start and stop a logging session, display low memory warnings, and keep track of memory usage.
	Monitor	Monitor GPS status, relative heading (current direction of travel) to true North, current speed, elevation (3D mode only), coordinate position when connected to a GPS receiver, and GPS information (raw data stream).
	Sky View	View satellites being tracked, their assigned number, and position in the sky relative to your current position. The Satellite Key displays information on satellite status.
	Channel View	View each satellite (currently visible) which is listed by: • Satellite number (Sat) • Elevation degrees to horizon (El) • Azimuth (Az) • Signal-to-noise ratio (SNR) • Status (N=navigation, E=ephemeris data, T=tracked, and D=differential mode for

		WAAS) • PDOP (Position Dilution of Precision) • HDOP (Horizontal Dilution of Precision) • EHPE (Estimated Horizontal Position Error)
	Sun/Moon	View sunrise/set and moon phase information, and moonrise/set information. Settings changed on this screen do not effect other screens. The system date and coordinates for the current screen center display by default.
Tools	Add Wpt	Add a waypoint on the map using the waypoint (Wpt) icon.
	Create Direct Rte	Tap to activate the direct route function. The Direct Route and Erase icons display on the map view screen.
	Create Road Rte	Tap to activate the road route function. The Road Route and Erase icons display on the map view screen.
	Find	Enter text and/or select menu items under the categories of Find, Type, State, City, ZIP Code, Radius, Maximum Matches, and Sort by to narrow search parameters.
	Go To Position	Center the map on a coordinate location by tapping a number or letter in the coordinate and using the up and down arrows to make changes.
	Tracking	Tap to select to track to a map feature, a waypoint, or route you have created.
	Distance	Activate the Distance function. The Distance tool icon and Erase tool icon display on the map view screen.
	Options	**Preferences**: Display or hide POI (points of interest) labels, change the map font, map orientation, map colors, show/hide map crosshairs, select a latitude/longitude coordinate format or select to display UTM/UPS coordinates, turn voice output on or off, select an "off route" measurement, or select the desired units of measurement. **Getting Started:** View the Getting Started tutorial for Street Atlas USA

		Handheld. **Help**: View tips on using the map view screen. **About**: View version and other information about Street Atlas USA Handheld. **License**: View license information for Street Atlas USA Handheld.

Querying Features on the Map on a Pocket PC Device

Tap a map feature on the map view screen on your Pocket PC handheld to view query information about it including the coordinates of the point tapped. The query information displays in the information area above the menu bar.

Notes

- Extended information may be available for your map feature. Tap the information area above the menu bar to view additional information.
- If no query information is available for a map feature, the message "No Info. at data zoom level..." (along with the current zoom level) displays in the information area above the menu bar.

To Query Map Features

The following table describes how to get query information on various map features.

To get information about...	Tap...
Map Coordinates	A point on the map and then tap the information area above the menu bar to view its coordinate information (latitude/longitude or UTM/UPS) based on the coordinate option you chose in Setting Preferences.
Points Objects (Placenames, Airports, Landmarks, etc.)	A point object on the map to display its name, city, state, and ZIP Code information.
Waypoints (Wpts)	A waypoint and then tap the information area above the menu bar to view extended Wpts information including names or any text appearing in the Close To text field. For information on adding waypoints, see Adding Waypoints.
Road, Railroad, Hydro (Water) Lines	A road to display its name, city, state, and ZIP Code information. A rail or hydro (stream, brook, creek, and so forth) line to displays its position (in lat/lon or UTM/UPS

	coordinates).
Water Polygons, Islands, Land Use/Land Cover, Parks, and so forth.	Within the feature boundaries to display its name and coordinate information.

Saving a Map Point on a Pocket PC

Street Atlas USA® Handheld lets you save a map point as a waypoint or a contact.

To Save a Map Point as Waypoint

Use the following steps to save a map point as a waypoint.

1. Tap a map point you want to save as a waypoint.
2. Tap the information area above the menu bar.
3. Tap **Add as Waypoint**.
4. Optional. Enter a new name for the waypoint, a map feature or placename the waypoint is close to, any comment about the waypoint, as well as the desired symbol style and color. The coordinates of the waypoint display in the dialog box.
   Note "Close to" information displays as extended information when querying a waypoint.
5. Tap **ok** to save the waypoint.
6. Tap **ok**.
   The map view screen displays and the new waypoint displays at the location you selected.

To Save a Map Point as a Contact

Use the following steps to save a map point as a contact.

1. Tap a map point you want to save as a contact.
2. Tap the information area above the menu bar.
3. Tap **Add to Contacts**. A confirmation message displays when the entry as been added. Contacts are automatically saved in your Contacts database. If a business address is available, the business icon will display next to the contact in the Contact list. If a business address is not available but a home address is, a home icon will display next to the contact in the list. If neither a home or business address is available for the contact, a contact icon will display next to it in the list.
4. Tap **ok** to acknowledge the confirmation message.
5. Tap **ok** to return to the map view screen.

Find

Finding Map Features on a Pocket PC Device

The Find function in Street Atlas USA® Handheld lets you search and locate features found in map files you have installed on your handheld as well as search and locate waypoints and contacts you have created on your handheld. Search for features such as cities, towns, points of interest (POI), roads, rivers, streams, railroads, and parks.

To Find a Feature on the Map

Use the following steps to find a map feature.

1. Tap **Tools** and then tap **Find**.
   The Find screen displays.
2. Enter a name (i.e., Main St, I-95, Town Park) in the Find text field.
   Notes
   - It is not necessary to enter a name for a map feature in the Find text field.
   - To hasten the search process, narrow the search field by selecting list items from the first four search categories below the Find text field.
   - To delete the search text, tap **Clr.**
3. Tap the down arrow next to the search categories (Type, State, City, ZIP Code, Method, Radius, Max Matches, and Sort by) and tap an item in each drop-down list.
   Note You do not need to wait for each search category to populate before you click Search.
   See the table below for descriptions of each search category.

In this category...	**Tap...**
Type	**All** to search all feature types on the installed map files, waypoints, or contacts or tap to search one of several feature types.
State	**All** to search all states or tap to search an individual state. **Note** The list of states is derived from the map files installed on your handheld.
City	**All** to search all cities or tap to search an individual city name. **Note** The list of city names is derived from the map files installed on your handheld.
ZIP Code	**All** to search all ZIP Codes or tap to search an individual ZIP Code. **Note** The list of ZIP Codes is derived from the map files installed on your handheld.
Method	**Begins with** to search for items that begin with the same letters you typed in the Find text field. **Contains** to search for items that contain the letters typed in the Find text field. **Fuzzy Find** to search for items that start with the first three letters you typed in the Find text field.
Radius	**Infinite** to search an unlimited distance from your current GPS location or the screen center. Other options include: • 1 mi, 2 mi, 5 mi, 10 mi, 20 mi (if you selected **mi, ft** as your unit preference) • 2 km, 4 km, 8 km, 15 km, 30 km (if you selected **km, m** as your unit preference) • 1 NM, 2 NM, 5 NM, 10 NM, 20 NM (if you selected **NM, ft** or **NM, m** as your unit preference)
Max Matches	One of five numeric list items (**10**, **25**, **50**, **100**, and **250**) to choose the maximum number of matches you want to

	display. For example, if you choose the number 10 and the Find Results indicates 21 matches found, the closest 10 are shown.
Sort by	**Match quality** to sort matching feature names by those most closely matching the search text entry. Match Quality results can range from 0% to 100%, with 100% being the best text match and displaying at the top of the Find Results list. **Proximity** to sort matching feature names by distance from screen center. Features closest to screen center display at the top of the Find Results list. There is no proximity limit.

4. When all search list items are selected, tap **Search**. When the search is complete, the Find Results screen displays "Search done" at the top of the dialog area along with the number of matches found. As feature name matches are found, the list of search results displays.
   Notes
   - Symbols to the left of the feature name match indicate what type of feature is listed.

Symbol	Feature Type
	Line (for example, road, stream, railroad)
	Polygon (for example, island, water, park)
	Point of Interest (for example, placename, landmark, historic sites)
	Waypoint (Wpt)
	Business address (from contacts)
	Home address (from contacts)

   - Search results are based on the search method selected (begins with, contains, or fuzzy find). Query results are sorted based on the sorting type (match quality or proximity) selected on the Find screen. While a search is running, results are automatically sorted as they become available. The top matches (closest name match or closest in distance to screen center) move to the top of the search results list, pushing the previous results down the list.
   - Tap **Pause** to interrupt the search. Tap **Resume** to continue the search.
   - If no matches are found, tap **ok** to return to the Find screen and perform another search.
5. Tap the item in the **Find Results** list and then tap **Go To** to display the feature at the center of the map view screen.
   Notes
   - To view information such as name, type, city, state, ZIP Code, and coordinates for the map feature, tap the desired item in the Find Results list and then tap **Info**. Tap **ok** to return to the Find Results list. You can then tap **Go To** to display the feature at the center of the map view screen.

- To end the search session without locating a list item, tap **ok** at any time to return to the map view screen.

Finding a Coordinate Location on a Pocket PC

You can use the Go To Position function in the Tools menu to find a coordinate location on your map.

To Find a Coordinate Location

Use the following steps to find a coordinate location.

1. Tap **Tools** and then tap **Go To Position**.
2. Tap a number or letter in the coordinates and use the up and down arrows to make changes.
3. Tap **Go To** to update the coordinates.
   The map centers on the selected coordinate location.

GPS

Connecting Your GPS Device to a Pocket PC

Once you have attached the GPS device to your handheld, you must initialize the GPS device by updating the fields in the GPS Settings screen in Street Atlas USA® Handheld. Select your device, COM port, your state, and coordinate location. For information on updating GPS Settings, see Updating Your GPS Settings.
Note NMEA-compatible GPS devices used with Street Atlas USA Handheld should be set to a mode corresponding to NMEA 183 version 2.0 at 4800 baud.

To Connect Your GPS Device

Use the following steps to connect to your GPS device.

1. Attach a GPS device to your Pocket PC handheld.
2. Open Street Atlas USA Handheld.
   The map view screen displays the last map file viewed. The GPS button displays to the left of the Track button in the menu bar.
   Note The GPS button is a toggle button that displays differently depending upon the status of the GPS connection.
3. Tap **GPS** and then tap **Connect**.
   OR

   Tap the **Start GPS** button in the menu bar to connect.
   The handheld first attempts to detect the GPS device. The No Connection symbol changes to the GPS Transmitting symbol. The GPS then attempts to acquire a satellite fix. This process may take a few minutes.

   Notes

   - Tap **GPS** and then tap **Disconnect** OR tap the **Stop GPS** button in the menu bar to disconnect your GPS device.
   - If no GPS device is detected, an error message displays. Check the GPS connection and disconnect your GPS device in order to conserve batteries and reset the serial port.

Notes

- If the GPS device is receiving satellite data, but there is insufficient data for an accurate location, the status displays "2D" (in yellow). Move your device to another location until you get better reception.
- When a GPS connection is successful and the device is acquiring sufficient satellite data to determine your location, the status displays "3D" (in green). A 3D connection provides data on your current coordinates, elevation, heading, and the speed you are traveling. The GPS Position icon displays on the map view screen and blinks if you are not moving. Once you start traveling, the GPS Position icon changes to an arrow indicating direction of travel.
- If you pan the map and the GPS Position is not in the map view, the GPS Off Map icon displays in the lower-left of the map view screen. Tap the icon to center the map on your current GPS Position.

Updating Your GPS Settings on a Pocket PC Device

When connecting your GPS device to your Pocket PC handheld for use with Street Atlas USA® Handheld, you might have to update your GPS settings to initialize your GPS device.
Note NMEA-compatible GPS devices used with Street Atlas USA Handheld should be set to a mode corresponding to NMEA 183 version 2.0 at 4800 baud.

To Update Your GPS Settings

Use the following steps to update your GPS settings.

1. Tap **GPS**, then tap **Settings**.
   The GPS Settings screen displays.
2. Under **State**, tap the state where you are currently located.
   Note If you have previously used your GPS device with Street Atlas USA Handheld, tap Last Location to use the last position used, or tap Screen Center to use the current screen center coordinates.
   OR
   Tap the **Coords** field to manually enter your coordinates.
   The Select Location screen displays. Tap a number or letter in the coordinate and use the up and down arrows to make changes. Tap **ok** to update the coordinates. The GPS Settings screen displays.
3. Under **Device**, tap to select the type of device you are using.
4. Under **Comport**, tap to select the COM port you are using.
5. If you have a DeLorme USB Earthmate, tap **Advanced** to change the LED and/or WAAS settings. Then, tap **OK** to return to the GPS Settings screen.
6. Tap **OK** to save settings.
   The map view screen displays.

Notes

- After the first initialization, all settings default to those set the last time you edited the GPS Settings screen.
- When you select a state, the center of the state is used for the initialization.

- If your coordinates are in the UTM/UPS system, and you change the easting and northing numbers to values not found in the current zone, the zone number and easting and northing values update to the correct zone, which displays in the Coords information area in the GPS Settings screen.

GPS Logging on a Pocket PC Device

Connect a GPS receiver to your handheld and log your GPS session in Street Atlas US® Handheld.

To Log a GPS Session

Use the following steps to set up and start logging your GPS session.

1. Tap **GPS** and then tap **Logging**. The GPS Logging screen displays.
    - To start logging when you start your GPS, tap to select the **Log at GPS Connect** check box.
    - To change the interval (in seconds) when points in the log are recorded, tap the down arrow next to Interval and then tap 2, 4, or 8 secs.
    - To sound an alarm when system memory is low, tap to select the **Warn low memory** check box.
      The Memory bar displays used, free, and total memory on your handheld.
2. Tap **Start Log** to begin logging.
   Note Tap Stop Log to finish logging.
3. Tap **ok** to exit the GPS Logging screen.
   The map view screen displays.

Viewing a GPS Log on the Map on a Pocket PC Device

Once you have created a GPS log in Street Atlas USA® Handheld, you can view the log on the map view screen.

To View a GPS Log

Use the following steps to view GPS logs you have created on a map.

1. Tap **Data** and then tap **GPS Logs**.
   The Data screen displays the list of GPS log files available on your Pocket PC.
2. From the list of log files, tap the name of the log you want to view.
   The log name is highlighted.
   Note Only one GPS log can be displayed on the map at a time.
3. Tap **Go To**. The map view displays the start point of the selected GPS log at map center.

Note You cannot view a log file that is actively being logged. An hourglass symbol indicates the GPS log is a large file and may take longer to view on the screen.

Renaming and Viewing Information on a GPS Log File on a Pocket PC

Once you have created a GPS log in Street Atlas USA® Handheld, you can rename the file or view information about the log at any time.

To Rename or View Information on a GPS Log File

Use the following steps to rename or view log information.

1. Tap **Data** and then tap **GPS Logs**.
   The Data screen displays the list of GPS log files available on your Pocket PC.
2. To view information on a GPS log file, tap to select a file in the file list and then tap **Details**.
   OR
   To rename the log file, tap to select a file in the file list, tap **Rename**, and then enter a new name in the Rename screen. Tap **ok** to save the change and return to the Data screen.
   Note ActiveSync only synchronizes only files located in Main Memory.
3. To view another log, select the desired log file and then tap **Go To**.
   The map view screen displays the start point of the selected log at map center.
   OR
   If you have finished viewing log files, tap **ok** to return to the map view screen.

Hiding a GPS Log on the Map on a Pocket PC

When you create a new GPS log or tap Go To to view a log on the map, the log points and line segments for that log display on the map. The log continues to display on the map as you pan or perform other map functions unless you delete or hide the log.

To Hide a GPS Log

Use the following steps to hide a GPS log while viewing the map.

1. Tap **Data** and then tap **GPS Logs**.
   The Data screen displays the list of GPS log files available on your Pocket PC.
2. Tap **Hide** to hide the log that currently displays.
   Note The Hide button toggles to display the Show button.
3. Tap **ok** to return to the map view screen.
   The log no longer displays.
   Note To view a log again, tap **Data** and then tap **GPS Logs**. Tap the log file you want to view and tap **Show**. The map view screen displays the start point of the selected log at map center.

Deleting a GPS Log on a Pocket PC

You can delete any GPS log files you have recorded in Street Atlas USA® Handheld.

To Delete a GPS Log

Use the following steps to delete a log file.

1. Tap **Data** and then tap **GPS Logs**.
   The Data screen displays the list of GPS log files available on your Pocket PC.
2. From the list of GPS logs, tap the log file you want to delete.
   The log name is highlighted.

3. Tap **Delete**.
   A message box displays asking if you want to delete the selected log file.
4. Tap **Yes** to delete the file.
   The Data screen displays and the log file is cleared from the list of GPS log files.
   OR
   Tap **No** to return to the Data screen without deleting the log file.
5. Tap **ok** to display the map view screen.

Monitoring Your GPS Session on a Pocket PC

Once you have updated your GPS settings and have a good connection to your GPS receiver, you can monitor the status of your GPS connection as well as your speed, heading, elevation, and position.

To Monitor GPS

Use the following steps to monitor your GPS session.

1. Tap **GPS** and then tap **Monitor**. The Monitor GPS screen displays the following information in units and coordinates set in the Preferences settings.

Screen Item	Description
GPS Status Symbol (Displays in the upper-right corner of the screen just below the **ok** button in the title bar.)	No connection Detecting GPS Acquiring satellite 2D GPS or DGPS connection (displays as yellow) 3D GPS or DGPS connection (displays as green)
Heading Compass	Compass needle turns to represent the current heading.
Speedometer	Displays current speed.
Heading Text	Displays degrees to true north.
Elevation Text	Displays elevation when GPS connection is 3D.
Position Info Area	Displays coordinates in units as selected under Setting Preferences.
GPS Data Stream	Displays GPS information at the bottom of the Monitor GPS screen (when connected to a GPS device)

2. Tap **ok** to close the Monitor GPS screen.
   The map view screen displays.

Sky View on a Pocket PC

The Sky View diagram displays satellites being tracked by number and position in the sky relative to your current position.

To View the Sky View Diagram

Use the following steps to display the Sky View diagram.

1. Tap **GPS** and then tap **Sky View**.
   The Sky View diagram displays with satellite symbols representing satellites being tracked by your GPS receiver.
   Note A Satellite Key for information on satellite status displays below the sky view diagram.
2. Tap **ok** to close the Sky View diagram.
   The map view screen displays.

Channel View on a Pocket PC

When connected to a GPS receiver, each satellite currently visible in the sky is listed by:

- Satellite number (Sat)
- Elevation degrees to horizon (El)
- Azimuth (Az)
- Signal-to-noise ratio (SNR)
- Status (N=navigation, E=ephemeris data, T=tracked, and D=differential mode for WAAS)

Note The PDOP (Position Dilution of Precision), HDOP (Horizontal Dilution of Precision), and EHPE (Estimated Horizontal Position Error) values display at the bottom of the GPS Channel Info screen. Low PDOP, HDOP, and EHPE values indicate a higher probability of accuracy in position. The PDOP and HDOP values should be 0-10. The EHPE value should be 0-125 meters. *Not all values are available on all GPS receivers.*

To View the GPS Channel View Screen

Use the following steps to view the GPS Channel View Screen.

1. Tap **GPS** and then tap **Channel View**.
   The GPS Channel Info screen displays information on the satellites being tracked by your GPS receiver. The status of the GPS connection displays in the upper-right corner of the screen just below the **ok** button in the title bar.
2. Tap **ok** to exit the GPS Channel Info screen.
   The map view screen displays.

Sun/Moon on a Pocket PC

Change settings to view sun/moon status at different dates or in different time zones anywhere in the world. View the following information in the Sun/Moon screen for your current location in Street Atlas USA® Handheld.

- Sunrise/set and moonrise/set times (displayed in a 24-hour clock, where 12 is noon and 24 is midnight)
- Moon phase
- Percentage of moon illumination

To open the Sun/Moon screen in Street Atlas USA Handheld, tap **GPS** and then tap **Sun/Moon**. The Sun/Moon screen displays.

Note Settings changed in the Sun/Moon screen do not affect other screens.

To Change the Date

Use the following steps to view the sun/moon information for a particular date.

1. Tap the month and then tap the up or down arrow to change the month.
   AND/OR
   Tap the day and then tap the up or down arrow to change the day.
   AND/OR
   Tap the year and then tap the up or down arrow to change the year.
2. Tap **ok** to save the changes.

To Change the Time Zone

Change the time zone to view sun/moon information for another time zone.

Sun/moon information displays relative to the time zone you specify. For example, if you are in New York and want to view sun/moon status for a location in California, update the coordinates field to the California location. To view the sun/moon information as though you are in California, you must change the time zone to that of the California location.

Use the following steps to change the time zone.

- Next to Zone, tap the up or down down arrow and select the number that represents the time zone of the desired location.
- Tap to select the **DST** check box if daylight saving time is in effect.
- Tap to select the **Behind GMT** (Greenwich Mean Time) check box if the time zone of the location is behind Greenwich Mean Time. For example, the East coast is 5 time zones behind GMT.

To Change Coordinates

Coordinates can display in either latitude/longitude or UTM/UPS format based upon the coordinate type selected under Preferences. Change coordinates to view sun/moon information for different locations. For more information on setting preferences, see Setting Preferences.

Use the following steps to change your coordinates.

1. Tap the **Coords** field.
   The Select Location screen displays.
2. Tap the number or letter you want to change.
   A box highlights your selection.
3. Tap the up and down arrows to change the coordinate number or letter.
4. Tap **ok** to save changes.
   The Sun/Moon screen displays the new coordinate numbers.
   OR
   Tap **Cancel** to return to the Sun/Moon screen without saving changes.

Note If your coordinates are in the UTM/UPS coordinate system and the easting and northing values you specify are not found in the current zone, the zone number and easting and northing values update and display in the Coords information area in the GPS Settings screen.

To Exit the Sun/Moon Screen

When you are done viewing sun/moon status information, tap **ok** to exit the Sun/Moon screen.
The map view screen displays.

Preferences

Setting Preferences on a Pocket PC

Use the preferences option to change such preferences as map font, the map orientation, coordinates, voice output, etc.

To Set Preferences

In the Preferences screen you can choose to change all or some of the options.

Use the following steps to set preferences on your Pocket PC handheld.

1. Tap **Tools**, tap **Options**, then tap **Preferences**. The Preferences screen displays.
2. Tap the down arrow next to each Preference option to display the list items available under each option.
   The table below describes the Preference options.

1.

Preference Option	Description
POI Labels	You can choose whether or not to display the labels for points of interest (POI) such as placenames, landmarks, geographic features, historic buildings, and so forth. • Tap **Displayed** to view POI labels. • Tap **Hidden** to hide POI labels.
Map Font	There are two fonts available for displaying text for placenames, point labels, road names, etc. • Tap **Standard** to set text to display with a large font style. • Tap **Small** to set text to display with a small font style.
Map Colors	There are two map color options available: • Tap **Default** to view the default map colors. • Tap **High Contrast** to change your map display to be darker (for improved in-vehicle visibility).
Crosshairs	Select **Screen Center** to display crosshairs on the map. Select **Hidden** to hide crosshairs.

Coordinates	There are three latitude/longitude options as well as a UTM/UPS coordinate option available for use with the maps on your handheld. • For latitude/longitude coordinates, tap **Degrees**, **Deg. Minutes**, or **Deg. Min. Sec.** • Tap **UTM/UPS** to display coordinates in the UTM (Universal Transverse Mercator) system or the UPS (Universal Polar Stereographic) system. Coordinates display the zone number and letter with the easting and northing numbers. Example: 19 T 504780 5086751.
Units	There are four unit options available under Preferences: • **mi, ft** (miles, feet) • **km, m** (kilometers, meters) • **NM, ft** (Nautical Miles, feet) • **NM, m** (Nautical Miles, meters)
Off Route After	When tracking along a route with a GPS device, tap the minimum distance away from your route that you want to reach before being notified that you are off route. Once you are notified, an alert icon displays in the bottom-right corner of the map display. Tap the alert icon to recalculate the route based on your current GPS position. **Note** If you never want to be alerted, tap Infinite from the Off Route After drop-down list.
Orientation	Orientation refers to the direction on a compass in which the top of the map is pointing. The default orientation for the map on the Map View screen is North Up, which means the map orientation is north up. There are nine options to choose from: GPS Up (current GPS heading), North Up, Northeast Up, East Up, Southeast Up, South Up, Southwest Up, West Up, Northwest Up. **Notes** • If the map orientation is not displaying North Up, a small compass displays near the scale bar to indicate map orientation. • You cannot change the orientation of raster maps. If you attempt to change the orientation of a raster map, and no vector data of that same location is available, a gray screen will display and no data will be available. If vector data is available at that same location, the vector data will display with the changed orientation.
Voice Output	There are two voice output options available under Preferences: • Tap **On** to hear a voice when tracking along a

	route with a GPS connection. • Tap **Off** to deactivate voice output. **Note** If you cannot hear spoken directions while you are tracking along a route, the volume on your device may need to be adjusted.

2.
3. Tap the item for each preference option and then tap **ok**.
   The map view screen displays with the selected preference(s).

Waypoints

Adding Waypoints on a Pocket PC

Use waypoints (Wpts) on the map to mark specific locations or to use as points along a route.

To Add a Waypoint

Use the following steps to add a waypoint to the map.

1. Tap and hold your stylus on a location on the map where you want to add a waypoint and select **Drop Waypoint** from the shortcut menu.
   OR
   If location information was available for the last tapped position, you can add it as a waypoint by tapping the point on the map, tapping the information area above the menu bar, and then tapping **Add as Waypoint**.
   OR
   To add your screen center as a waypoint, tap **Tools** and then tap **Add Wpt**. The Add Wpt icon displays in the center of the map view screen. Tap the Add Wpt icon to place the waypoint at the screen center. If you do not want to place the waypoint at the screen center, tap the map location where you want to place the waypoint and then tap the Add Wpt icon to save the waypoint.
   Note If you need to pan the map to place a waypoint at a particular location, pan to the location and then tap the map view screen at the desired location to place the waypoint icon.
2. Optional. Enter a new name for the waypoint, a map feature or placename the waypoint is close to, any comment about the waypoint, and the desired symbol style and color. The coordinates of the waypoint display in the dialog box.
   Note "Close to" information (city, state, and ZIP Code—if available) displays as extended information when querying a waypoint.
3. Tap **Ok** to save the waypoint. The map view screen displays and the new waypoint displays at the location you selected.

Centering the Map on a Waypoint on a Pocket PC

Waypoints display on the map view screen as soon as they are added. You can create many waypoints on map files installed on you Pocket PC handheld. These waypoint (wpt) files are stored on your handheld and can be accessed at any time.

To Center Your Map on a Waypoint

Use the following steps to center the map on a waypoint you have added.

1. Tap **Data** and then tap **Wpts**.
   The Data screen displays the list of waypoint files available on your Pocket PC.
2. Tap the waypoint you want to locate.
   The waypoint name is highlighted.
3. Tap **Go To**.
   The map view screen centers on the selected waypoint.

Editing a Waypoint on a Pocket PC

Edit waypoint file information of any waypoint (Wpt) you have created in Street Atlas USA® Handheld.

To Edit a Waypoint

Use the following steps to edit waypoint file information.

1. Tap **Data** and then tap **Wpts**.
   The Data screen displays the list of waypoint files available on your Pocket PC.
2. Tap **Rename** to edit the file properties.
   Note ActiveSync synchronizes only files located in Main Memory.
   OR
   Tap **Details** to edit the waypoint information fields.
3. Tap **ok** to return to the Data screen.
4. If you have no other waypoint files to edit, tap **ok** to return to the map view screen.

Deleting a Waypoint on a Pocket PC

You can delete any waypoint (Wpt) files you have created in Street Atlas USA® Handheld.

To Delete a Waypoint

Use the following steps to delete a waypoint file.

1. Tap **Data** and then tap **Wpts**.
   The Data screen displays the list of waypoint files available on your Pocket PC.
2. Tap the waypoint you want to delete.
   The waypoint name is highlighted.
3. Tap **Delete**.
   A message box displays asking if you want to delete the selected waypoint file.
4. Tap **Yes** to the delete the waypoint.
   The waypoint file is deleted from the device and no longer displays on the map.
   OR
   Tap **No** to return to the Data screen without deleting a waypoint.
5. When finished deleting waypoints, tap **ok** to display the map view screen.

Route

Creating a Direct Route on a Pocket PC

With Street Atlas USA® Handheld you can create direct routes which you can follow along when connected to a GPS device.

Only one route can display on the map at a time. A route displays on the map as it is being drawn and continues to display once it is saved. When you create a second route and save the route file, the map centers on the start point of the new route and the previous route is cleared from the map. You must end tracking before creating a new route.

To Create a Direct Route

Use the following steps to create a direct route on your Pocket PC handheld.

1. Tap **Tools** and then tap **Create Direct Rte**.
   The Direct Route icon displays in the upper-right corner of the map view screen and the Erase icon displays in the upper-left corner of the map view screen.
2. Tap the locations on the map where you want to place each point in the route. Each time you tap the map while in Direct Route mode, a point is placed on the map and a line segment displays between the points. Tap the **Direct Route** icon when you have finished placing all of your points.
   Notes
   - If you have placed a point on the route incorrectly, tap the **Erase** icon. The last point placed, as well as the line segment between it and the previous point, is cleared. Clear a whole route by tapping the **Erase** icon until all points and line segments are cleared.
   - If you need to pan the map to place another route point, drag the map to the appropriate location and tap the map view screen at the desired location to place the next point and line segment in the route.

   AND/OR
   Tap the **Direct Route** icon and enter your route information using one/all of the four available choices:
   - From the **Add** list box, tap **Find** to search for points and to display the Find screen. Enter the name for a particular map feature and conduct a search for the feature. Select the feature from the **Find Results** screen to add to your route and then tap **Select**. The selected feature is added to the route. For more information on using the Find feature, see Finding Map Features.
   - From the **Add** list box, tap **Wpts** to use existing waypoints and to display the Wpt List screen. Select the waypoint from the list and then tap **Select**. The selected waypoint is added to the route. For information on adding waypoints, see Adding Waypoints.
   - From the **Add** list box, tap **Contacts Entry** to use a contact as a point in your route. Select the contacts entry from the list and then tap **Select**. The selected contacts entry is added to the route.
   - From the **Add** list box, tap **Screen Center** to use the current screen center as a point in your route. Screen Center points are labeled as "Screen Center" when information for that location is unavailable.
3. Once you have placed all of your route points, you can reorder the points, delete a point, or add find search points, waypoints, contacts, and/or your screen center to your route:

- Move a route point ahead in the route by tapping the route point and then tapping the up button.
- Move a route point behind in the route by tapping the route point and then tapping the down button.
- Delete a route point from your route using the delete button.

4. Tap **Calculate**.
   Once the route has been successfully calculated, a Create Route message box displays. Tap **ok**. The route is automatically saved and the map is centered on the route start.

Creating a Road Route on a Pocket PC

With Street Atlas USA® Handheld you can create road routes to plan trips.

Note Only one route can display on the map at a time. A route displays on the map as it is being drawn and continues to display once it is saved. When you create a second route and save the route file, the map centers on the start point of the new route and the previous route is cleared from the map. You must end tracking before creating a new route.

To Create a Road Route

Use the following steps to create a road route.

1. Tap **Tools** and then tap **Create Road Rte**. The Road Route icon displays in the upper-right corner of the map view screen and the Erase icon displays in the upper-left corner of the map view screen..
2. Tap the locations on the map where you want to place each point in the route. Each time you tap the map while in Road Route mode, a point is placed on the map and a line segment displays between the points. Tap the Road Route icon when you have finished placing all of your points.
   Notes
   - If you have placed a point on the route incorrectly, tap the **Erase** icon. The last point placed, as well as the line segment between it and the previous point, is cleared. Clear a whole route by tapping the **Erase** icon until all points and line segments are cleared.
   - If you need to pan the map to place another route point, drag the map to the appropriate location and tap the map view screen at the desired location to place the next point and line segment in the route.

   AND/OR
   Tap the **Road Route** icon and enter the points of your route using one/all of the available choices:
   - From the **Add** list box, tap **Find** to search for points and to display the find screen. Enter the name for a particular map feature and conduct a search for the feature. Select the feature from the **Find Results** screen to add to your route and then tap **Select**. The selected feature is added to the route. For more information on using the Find feature, see Finding Map Features.
   - From the **Add** list box, tap **Wpts** to use existing waypoints and to display the Wpt List screen. Select the waypoint from the list and then tap **Select**. The selected waypoint is added to the route. For information on adding waypoints, see Adding Waypoints.
   - From the **Add** list box, tap **Contacts Entry** to use a contact as a point in your route. Select the contacts entry from the list and then tap **Select**. The selected contacts entry is added to the route.

- From the **Add** list box, tap **Screen Center** to use the current screen center as a point in your route. Screen Center points are labeled as "Screen Center" when information for that location is unavailable.

3. Once you have placed all of your route points, you can reorder the points, delete a point, or add find search points, waypoints, and/or your screen center to your route:
   - Move a route point ahead in the route by tapping the route point and then tapping the up button.
   - Move a route point behind in the route by tapping the route point and then tapping the down button.
   - Delete a route point from your route using the delete button.
4. From the **Method** list box, tap your preferred routing method (quickest or shortest).
5. When you have added all the points to your route, tap **Calculate**. A message box displays when done. Tap **ok** within the message box to return to the map view. The new road route displays on the map view screen when the process is complete.

Renaming and Viewing Information on a Route File on a Pocket PC

Once you have created a route in Street Atlas USA® Handheld, you can rename the file or view information about the route at any time.

To Rename or View Information on a Route

Use the following steps to rename or view route information.

1. Tap **Data** and then tap **Routes**.
   The Data screen displays the list of route files available on your Pocket PC device.
2. Tap to select a route, tap **Rename**, and enter a new name in the Rename/Move screen.
   OR
   To view details on each route point and line segment in the route, tap **Details**. The following information is displayed:

For Direct Routes	For Road Routes
• The point name (labeled with the name of the nearest map feature) • Coordinate information for each route point. • Line segment distance for segments between that point and the next. • The cumulative distance of each successive line segment in the route. • The total route distance at the end of the list of points. **Note** Tap the bold point name to center the selected route point on the Map View screen.	• The road name • The leg distance • The time required to travel the leg distance • The distance of the leg • The direction of travel • The total trip time • The total trip distance **Note** Tap the road type symbol next to the desired route segment to center that route point on the Map View screen.

3. When you have finished renaming or viewing information on a route, tap **ok** to return to the Data screen.
   Note ActiveSync synchronizes only files located in Main Memory.
4. If no further edits or information on route files are necessary, tap **ok** to return to the map view screen.

Viewing a Route on Your Map on a Pocket PC

Once you have created or imported a route in Street Atlas USA® Handheld, you can view one route at a time on the map view screen.

To View a Route

Use the following steps to view routes you have created on a map.

1. Tap **Data** and then tap **Routes**.
   The Data screen displays the list of route files available on your Pocket PC device.
2. From the list of routes, tap to select the route file you want to view.
   The route name is highlighted.
3. Tap **Go To**.
   The map view displays the start point of the selected route at map center.

Notes

- Only the active route can be displayed on the map.
- You cannot view more than one route on the map at once.
- To view details on each route point and line segment, tap and hold your stylus on the map and select **Route Details** from the shortcut menu.

Hiding a Route on the Map on a Pocket PC

When you view a particular route on the map view screen, the route continues to display as you pan or perform other map functions, unless you delete or hide the route or display another route on the map. Only one route can display on the map view screen at a time.

To Hide a Route

Use the following steps to hide a route while viewing the map.

1. Tap **Data**, then tap **Routes**.
   The Data screen displays the list of route files available on your Pocket PC device.
2. Tap **Hide** to hide the route which currently displays.
   Note Tap Show to view the hidden route on the map.
3. Tap **ok** to return to the map view screen. The route no longer displays.
   Note To view a route again, tap **Data** and then tap **Routes**. Tap the route file you want to view and then tap **Show**. Tap **Go To** to center the map on the start point of the route.

Deleting a Route on a Pocket PC

You can delete any route files you have on the device with Street Atlas USA® Handheld.

To Delete a Route

Use the following steps to delete a route file.

1. Tap **Data** on the menu bar and then tap **Routes**.
   The Data screen displays the list of route files available on your Pocket PC device.
2. In the list of routes, tap the route file you want to delete.
   The route name is highlighted.
3. Tap **Delete**.
   A message box displays asking if you want to delete the selected route file.
4. Tap **Yes** to delete the file.
   The Data screen displays and the route file is deleted from the device.
   OR
   Tap **No** to return to the Data screen without deleting a route file.
5. When finished deleting route files, tap **ok** to display the map view screen.

Reversing the Direction of a Route on a Pocket PC

Once you have created a route in Street Atlas USA® Handheld, you can reverse its direction at any time.

To Reverse the Direction of a Route

Use the following steps to reverse the direction of a route.

1. Tap **Data** and then tap **Routes**.
   The Data screen displays and the list of routes you have on your device displays under the Source selection box.
2. To reverse a route file, tap the file to select it and then tap **Reverse**.
   A confirmation message displays.
3. Tap **ok** to accept the confirmation message.
   A new route is created (the original route is unchanged).
4. Tap **ok** to return to the map view screen.

Distance

Measuring Distance on a Pocket PC

Use the Distance tool to measure the distance from one map feature to another.

To Measure Distance

Use the following steps to measure distance on the map.

1. Tap **Tools**, then tap **Distance**.
   The Distance tool icon displays in the upper-right corner of the map view screen and the Erase tool icon displays in the upper-left corner of the map view screen.
2. Tap the location on the map where you want to place the first point from which to measure distance.
   A point displays on the map view screen indicating the point tapped.
   Note If you need to pan the map to place a point at a particular location, pan to the location and tap the map view screen at the desired location to place the point.
3. Tap the map again to place another point on the map. Each time you tap the map while in Distance mode, a point is placed on the map and a line segment displays between the points. When you create a new line segment, the segment length (as well as the total distance of all segments drawn), displays in the information area above the menu bar.
   Note If you have placed a point on the distance measure line incorrectly, tap the

Erase icon. The last point and the line segment between it and the previous point are cleared. Clear a whole distance measure line by tapping the Erase icon until all points and line segments are cleared.

4. To exit the Distance mode, tap the Distance tool icon.
   The distance measure points and line segments are cleared from the map.

Tracking

Tracking Overview for Pocket PC

With Street Atlas USA® Handheld, you can track to a map feature, a waypoint, or along a route you have loaded. Use tracking to plan ahead and find the distance and bearing for a direct route or between waypoints. If you are connected to a GPS receiver, use tracking to guide you to your destination.

Notes

- When tracking with a GPS device, position is determined by the GPS position not the screen center.
- You must stop tracking one feature to begin tracking another.
- If you have selected to turn your voice output on, a voice will alert you of upcoming decisions.

When you are in the map view screen of Street Atlas USA Handheld, the Track button displays to the right of the Start/Stop GPS button in the menu bar.

Tap the **Track** button (or tap **Tools** and then tap **Tracking**) to display the Select Track screen. You must tap one of the four items in the Source box to track toward.

Find—Use the Find feature to search for and select a specific map feature.

Wpts—Select a waypoint from the list of those you have created.

Direct Routes—Select a direct route from the list of those you have on the device.

Road Routes—Select a road route from the list of those you have on the device.

Once you have selected an item to track toward, tap **Start Tracking** to begin tracking. Tap **Stop Tracking** to stop tracking.

As you track to a destination point (map feature, waypoint, or direct route), the Tracking icon displays if the ending destination point is not in the current map view. Pan the map to the destination point or tap the Tracking icon to center the map on the map feature, waypoint, or route point.

If you have the Navigation Panel enabled and are tracking towards a direct route, a compass direction displays along with the name of your destination. If you have the Navigation Panel enabled and are tracking towards a road route, a turn arrow along with the name of the road of your next turn display. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel enabled, the Info Area displays the distance and bearing to the destination (for direct routes, waypoints, and map features) or turn information (for road routes).

Tracking to a Map Feature on a Pocket PC

Use the Find feature to search for a specific map feature to track to. For information on using Find, see Finding Map Features and for an overview of the tracking feature, see Tracking Overview.

To Track to a Map Feature

Use the following steps to track to a map feature.

1. Tap the **Track** button .
   The Select Track screen displays.
   OR
   Tap **Tools** and then tap **Tracking**.
   The Select Track screen displays.
2. In the Source box, tap **Find**. The Find screen displays.
3. Enter a name (i.e., Main St, I-95, Town Park) in the Find field. Select any of the seven categories, Type, State, City, ZIP Code, Method, Radius, Max Matches, or Sort by (choose match quality or proximity) to narrow the search field.
4. Tap **Search**. The find results screen displays the running list of matches.
   - If you chose to sort by match quality, the best matches display at the top of the list.
   - If you chose to sort by proximity, the matches closest to screen center or your GPS location display at the top of the list.
5. Tap the feature you want to track and then tap **Select**.
   The Select Track screen displays with the selected feature name under the Source box.
6. Tap the feature name and then tap **Start Tracking**.
   The destination from the map feature to the screen center (or your GPS position) displays in the Information Area. The map view screen displays the Tracking icon indicating the direction of travel to the selected feature's destination point if the destination is off the current map view. If you have the Navigation Panel enabled, a compass direction displays along with the name of your destination. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel enabled, the Info Area displays the distance and bearing to the destination.
7. Pan the map to the destination point or tap the Tracking icon to center the map on the map feature.
   OR
   If tracking while connected to a GPS receiver, the map pans as you move toward your destination point.

Note To discontinue a tracking session, tap the **Track** button (or tap **Tools** and then tap **Tracking**) to open the Select Track screen, tap **Stop Tracking**, and then tap **ok** to exit the Select Track screen. The map view screen displays.

Tracking to a Waypoint on a Pocket PC

You can track any waypoint (Wpt) you have added in Street Atlas USA® Handheld. For an overview of the tracking feature, see Tracking Overview.

To Track to a Waypoint

Use the following steps to track to a waypoint.

1. Tap the **Track** button .
   The Select Track screen displays.
   OR
   Tap **Tools** and then tap **Tracking**.
   The Select Track screen displays.
2. In the Source box, tap **Wpts**.
   The list of waypoints you have added displays.
3. Tap the waypoint you want to track toward and then tap **Start Tracking**.
   The destination from the waypoint to the screen center (or your GPS position) displays in the Information Area. The map view screen displays the Tracking icon indicating the direction of track to the selected waypoint's destination point if the destination is off the current map view. If you have the Navigation Panel enabled, a compass direction displays along with the name of your destination. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel enabled, the Info Area displays the distance and bearing to the destination.
4. Drag the map to the destination point or tap the icon to center the map on the waypoint.
   OR
   If tracking while connected to a GPS receiver, the map pans as you move toward your destination point.

Notes

To discontinue a tracking session, tap the **Track** button (or tap **Tools** and then tap **Tracking**) to open the Select Track screen, tap **Stop Tracking**, and then tap **ok** to exit the Select Track screen. The map view screen displays.

Tracking to a Contacts Entry on a Pocket PC

You can track a contact you have in your Contacts database as long as the entry has address information. For an overview of the tracking feature, see Tracking Overview.

To Track to a Contacts Entry

Use the following steps to track to a contacts entry.

1. Tap the **Track** button .
   The Select Track screen displays.
   OR
   Tap **Tools** and then tap **Tracking**.
   The Select Track screen displays.
2. In the Source box, tap **Contacts Entry**.
   The list of contacts you have in your Contacts database displays.
3. Tap the contact you want to track toward and then tap **Start Tracking**.
   The destination from the contact to the screen center (or your GPS position) displays

in the Information Area. The map view screen displays the Tracking icon indicating the direction of track to the selected contact's destination point if the destination is off the current map view. If you have the Navigation Panel enabled, a compass direction displays along with the name of your destination. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel enabled, the Info Area displays the distance and bearing to the destination.

4. Drag the map to the destination point or tap the icon to center the map on the contact.
   OR
   If tracking while connected to a GPS receiver, the map pans as you move toward your destination point.

Note To discontinue a tracking session, tap the **Track** button (or tap **Tools** and then tap **Tracking**) to open the Select Track screen, tap **Stop Tracking**, and then tap **ok** to exit the Select Track screen. The map view screen displays.

Tracking Along a Route on a Pocket PC

You can track toward the finish point of any route you have created in Street Atlas USA® Handheld. For an overview of the tracking feature, see Tracking Overview.

You can hear spoken directions while tracking along a route on a Pocket PC by selecting a voice output option under Preferences. For more information on setting voice output preferences, see Setting Preferences on a Pocket PC.

Notes If you cannot hear spoken directions while you are tracking along a route, the volume on your device may need to be adjusted.

To Track Along a Route

Use the following steps to track along a route.

1. Tap the **Track** button .
   The Select Track screen displays.
   OR
   Tap **Tools** and then tap **Tracking**.
   The Select Track screen displays.
2. In the Source box, tap **Direct Routes** or **Road Routes**.
   The list of direct/road routes you have loaded displays.
3. Tap the route you want to track along and then tap **Start Tracking**.
   The map view screen centers on the current GPS position (if you are tracking with a GPS device) or the screen center (if you are not tracking with a GPS device). The map view screen displays the Tracking icon (black arrowhead within a circle) indicating the direction of travel to the finish point if the destination is off the current map view (for direct routes). If you have the Navigation Panel enabled and are tracking along a direct route, a compass direction displays along with the name of your destination. If you have the Navigation Panel enabled and are tracking along a road route, a turn arrow along with the name of the road of your next turn display. Below that area, two drop-down menus let you choose to display the time to finish, heading, elevation, etc. If you do not have the Navigation Panel enabled, the Info Area displays the distance and bearing to the destination (for direct routes) or the turn time and distance (for road routes).
4. Pan the map to the point.
   The information area displays different information depending on the type of route you are tracking and if you have selected to show the navigation panel.

	Navigation Panel On	Navigation Panel Off
Direct Routes	If the navigation panel is on, the compass direction (N, S, E, W, NW, etc.) will display to indicate the direction of your destination. The name of the destination will also be displayed. Use the drop-down lists to view the following information: • Time to turn • Distance to turn • Time to finish • Distance to finish • Speed • Heading • Elevation • System time	If the navigation panel is turned off, you will see a direction indicator (such as SW or NE) as well as the bearing and distance. For example, "Dir: NW, (204°), 0.3 mi"
Road Routes	If the navigation panel is on, an arrow will display to indicate the direction of your next destination. The name of the destination will also be displayed. Use the drop-down lists to view the following information: • Time to turn • Distance to turn • Time to finish • Distance to finish • Speed • Heading • Elevation • System time	If the navigation panel is turned off, you will see turn information (where, time, and distance from current location) in the information area. For example, "turn left at US 1, 342 feet, in under 1 minute"

OR
If tracking while connected to a GPS receiver, the map pans as you move along the route.

Notes

- Use the Off Route After setting in the Preferences dialog to be notified when you have strayed a specified distance away from a route. When you have met that minimum distance, an alert icon displays in the lower-right corner of the map display. Tap the alert icon to recalculate the route from your current location.
- To discontinue a tracking session, tap the **Track** button (or tap **Tools** and then tap **Tracking**) to open the Select Track screen, tap **Stop Tracking**, and then tap **ok** to exit the Select Track screen. The map view screen displays.
- When tracking, your handheld device will beep before each turn that is longer than one mile from your last turn (if voice is off).
- The next segment of your route will be highlighted on the Details screen of the Data/Routes dialog.
- If the map is not displaying North up, a small compass displays near the scale bar to indicate map orientation.
- In order to hear spoken directions when tracking along a route, your GPS device must be connected.

Using the Navigation Panel on a Pocket PC

Street Atlas USA® Handheld lets you change the view of the Info Area so that you can easily view information for the next turn while tracking.

To View the Navigation Panel on a Pocket PC

1. Tap and hold your stylus on the map. A shortcut menu displays.
2. Select **Nav Panel On** to enable the navigation panel. The option that is in gray font is the active option.
3. When tracking, the Navigation Panel displays in place of the Info Area. It displays:

When tracking against a road route, the Navigation Panel displays...	**When tracking against a waypoint, map feature, or direct route, the Navigation Panel displays...**
A turn arrow, indicating the direction of your next turn	A compass direction (such as N for North) for the direction to your destination.
The name of the road you will be turning on next.	The name of your destination.
Two drop-down menus with the following options: • **Time to Turn**—Displays the time until your next turn for road routes. Displays N/A when selected while tracking against a waypoint, map feature, or direct route. • **Distance to Turn**—Displays distance to next turn for road and direct routes. Displays distance to the destination for waypoints and map features. • **Time to Finish**—Displays the time remaining until you reach your finish point for road routes. Displays N/A when selected while tracking against a waypoint, map feature, or direct route. • **Distance to Finish**—Displays the distance until you reach your finish point. • **Speed**—Displays the speed while tracking with a GPS device. Displays N/A when not tracking with a GPS device. • **Heading**—Displays the current heading (direction of travel according to the GPS) while tracking with a GPS device. Displays N/A when not tracking with a GPS device. Note If you are tracking with a GPS device but not moving, the Heading will be 0 degrees. • **Elevation**—Displays the current elevation while tracking with a GPS device. Displays N/A when not tracking with a GPS device. • **Time**—Displays the current time (as displayed on your handheld computer).	

Recreational and Travel Contact Information

Road Condition / Construction Contact Information

This list provides phone number and website information by state or province for road conditions and road construction forecasts in the United States and Canada.

For information in Mexico, go to www.travel.state.gov.

State / Province	Road Construction	Road Conditions	Web Site
Alabama	N/A	334-242-4378	www.dot.state.al.us
Alaska	800-478-7674	511	www.dot.state.ak.us
Alberta	780-427-2731	Calgary: 403-246-5853 Edmonton: 780-471-6056	www.infratrans.gov.ab.ca
Arizona	888-411-7623	511	www.dot.state.az.us www.azdot.gov
Arkansas	501-569-2227	800-245-1672	www.arkansasinterstates.com
British Columbia	604-660-2421	604-660-2421 800-550-4997	www.drivebc.ca
California	800-427-7623	800-427-7623	www.dot.ca.gov
Colorado	303-573-7623	Denver: 303-639-1111 877-315-7623	www.cotrip.org
Connecticut	800-443-3061 Outside CT: 860-594-2650	800-443-3061 Outside CT: 860-594-2650	www.ct.gov/dot
Delaware	302-760-2080	302-760-2080	www.deldot.net/static/travel.html
Florida	511 (partial coverage) Central: 866-874-3368 Lake City: 800-749-2967 Miami: 800-	511 (partial coverage) Central: 866-874-3368 Lake City: 800-749-2967 Miami: 800-435-2368/5	www.fl511.com www.dot.state.fl.us www.fhp.state.fl.us

	435-2368 Orlando: 800-780-7102 Southwest: 800-292-3368 Tampa: 800-226-7220 Turnpike: 800-749-7453 I-75 or I-10: 800-475-0044	Orlando: 800-780-7102 Southwest: 800-292-3368 Tampa: 800-226-7220 Turnpike: 800-749-7453 I-75 or I-10: 800-475-0044	
Georgia	888-635-8287	888-635-8287	www.dot.state.ga.us
Hawaii	808-536-6566	808-536-6566	www.hawaii.gov/dot/publicaffairs/roadwork
Idaho	Treasure Valley: 208-336-6600 All other areas: 888-432-7623 or 511	Treasure Valley: 208-336-6600 All other areas: 888-432-7623 or 511	www.itd.idaho.gov
Illinois	Toll-free roads: 312-368-4636 Toll-free roads: 800-452-4368 Toll highways: 800-865-5394	Toll-free roads:312-368-4636 Toll-free roads:800-452-4368 Toll highways: 800-865-5394	www.illinoisroads.info www.dot.state.il.us www.gettingaroundillinois.com
Indiana	317-232-8300	317-232-8300	www.in.gov/dot/motoristinfo
Iowa	511	511 Outside IA: 515-288-1047	www.dot.state.ia.us/roadcons.htm www.511ia.org
Kansas	511	511	www.ksdot.org
Kentucky	511	511	www.kytc.state.ky.us www.511.ky.gov
Louisiana	511	511	www.dotd.state.la.us

Maine	511	511	www.state.me.us/mdot/homepage.htm
Manitoba	877-627-6237 204-945-3704	877-627-6237 204-945-3704	www.gov.mb.ca
Maryland	800-323-6742 410-545-0300	877-229-7726	www.sha.state.md.us
Massachusetts	617-374-1234	617-374-1234	www.mass.gov www.mhd.state.ma.us www.eot.state.ma.us
Michigan	800-381-8477	800-381-8477	www.michigan.gov/mdot
Minnesota	511 800-657-3774	511	www.dot.state.mn.us
Mississippi	601-359-7338	601-987-1211	www.gomdot.com
Missouri	888-275-6636 800-222-6400	888-275-6636 800-222-6400	www.modot.mo.gov/
Montana	511	511	www.mdt.mt.gov/
Nebraska	511	511	www.dor.state.ne.us
Nevada	511 Outside NV: 877-687-6237	511 Outside NV: 877-687-6237	www.nevadadot.com/traveler
New Brunswick	N/A	800-561-4063	www.gnb.ca/0113/roadcond/road-conditions-e.asp
New Hampshire	511	511 Outside NH: 866-282-7579	www.state.nh.us/dot/traveler.htm
New Jersey	Central: 732-308-4074 Northern: 973-770-5025 Southern: 609-866-4940	N/A	www.state.nj.us/transportation

New Mexico	800-432-4269	800-432-4269	www.nmshtd.state.nm.us
New York	N/A	NY Thruway: 800-847-8929	www.dot.state.ny.us/roads/roads.html
Newfoundland	N/A	Avalon: 709-729-7669 Central: 709-292-4444 East: 709-466-4160 West: 709-635-4144 Labrador: 709-729-7888	www.roads.gov.nf.ca
North Carolina	919-733-2210	511	www.doh.dot.state.nc.us/impact
North Dakota	511	511	www.state.nd.us/dot/road.html
Northwest Territories	N/A	800-661-0750	www.hwy.dot.gov.nt.ca/highways
Nova Scotia	902-424-3933	902-424-3933	www.gov.ns.ca/tran
Nunavut	888-252-9869	888-252-9869	www.gov.nu.ca/Nunavut
Ohio	511 Turnpike: 888-876-7453	511	www.dot.state.oh.us/ www.buckeyetraffic.org/otis/roads/default.asp www.ohioturnpike.org/
Oklahoma	N/A	405-425-2385	www.okladot.state.ok.us
Ontario	Within Canada: 800-268-4686 Toronto: 416-235-4686	Within Canada: 800-268-4686 Toronto: 416-235-4686	www.mto.gov.on.ca/english
Oregon	511 Outside OR: 503-588-2941	511 Outside OR: 503-588-2941	www.tripcheck.com
Pennsylvania	888-783-6783 Outside PA: 717-783-5186 Turnpike:	888-783-6783 Outside PA: 717-783-5186 Turnpike: 800-331-3414	www.dot.state.pa.us www.paturnpike.com

	800-331-3414		
Prince Edward Island	N/A	Charlottetown: 902-368-4750 Georgetown: 902-652-8960 Summerside: 902-888-8275	www.gov.pe.ca/roadconditions/index.php3
Quebec	888-355-0511	888-355-0511	www.mtq.gouv.qc.ca/en/accueil/plansite.asp
Rhode Island	511 401-222-4545	511	www.dot.state.ri.us/webtraf/index.html
Saskatchewan	N/A	888-335-7623 Northern SK: 306-933-8333 Southern SK: 306-933-8333	roadinfo.telenium.ca/shwyw.html www.highways.gov.sk.ca
South Carolina	N/A	N/A	www.dot.state.sc.us
South Dakota	511 Outside SD: 866-697-3511	511 Outside SD: 866-697-3571	www.sddot.com/travinfo.asp
Tennessee	511 800-858-6349	511 800-342-3258	www.tdot.state.tn.us/tdotsmartway
Texas	800-452-9292	800-452-9292	www.dot.state.tx.us
Utah	511	511	www.dot.state.ut.us
Vermont	511	511 800-429-7623	www.aot.state.vt.us/travelinfo.htm
Virginia	511 800-367-7623	511 800-367-7623	www.virginiadot.org/default_flash.asp www.511va.org
Washington	800-695-7623	800-695-7623	www.wsdot.wa.gov/traffic
West Virginia	N/A	877-982-7623	www.wvdot.com/6_motorists/6_motorists.htm
Wisconsin	800-762-3947	800-762-3947	www.dot.state.wi.us
Wyoming	307-772-0824	888-996-7623 Outside WY:	www.wyoroad.info

		307-772-0824	
Yukon Territory	867-456-7623 877-456-7623	867-456-7623 877-456-7623	www.gov.yk.ca/roadreport

Hotel, Car, and Airline Contact Information

This list provides hotel, car rental, and airline information.

Hotel Information

Hotel Name	Phone Number
AmeriHost Inn	800-434-5800
AmeriSuites	877-774-6467 Reservations: 800-833-1516
Baymont Inn & Suites	866-999-1111 Reservations: 877-229-6668
Best Inns and Suites	800-237-8466
Best Western International, Inc.	800-780-7234
Clarion Hotels	877-424-6423
Comfort Inns	877-424-6423
Country Inns & Suites	888-201-1746
Courtyard by Marriott	800-321-2211 Reservations: 888-236-2427 (U.S. and Canada)
Crowne Plaza	888-303-1746 Reservations: 877-227-6963
Days Inn	800-329-7466
Doubletree Hotels	800-222-TREE
Drury Inn	800-DRURY INN
Econo Lodge	800-55 ECONO Reservations: 877-424-6423
Embassy Suites	800-EMBASSY
Extended StayAmerica	800-804-3724
Fairfield Inn	800-228-2800
Fairmont Hotels	800-257-7544
Hampton Inn	800-HAMPTON

Hawthorn Suites	800-527-1133
Hilton Hotels	800-HILTONS
Holiday Inn	800-HOLIDAY Reservations: 877-410-6667
Holiday Inn Express	800-HOLIDAY Reservations: 800-465-4329
Homewood Suites	800-CALLHOME
Howard Johnson	800-446-4656
Hyatt Hotels and Resorts	800-633-7313
InterContinental Hotels	888-303-1758 Reservations: 800-424-6835
La Quinta Inns	866-725-1661 Reservations: 800-642-4271
Loews Hotel	800-23 LOEWS Reservations: 866-563-9792
MainStay Suites	877-424-6423
Marriott Hotels	888-236-2427 Reservations: 888-236-2427 (U.S. and Canada)
Microtel Inn	800-721-7171 Reservations: 800-771-7171
Motel 6	800-4MOTEL6
Omni Hotels	800-THE-OMNI Reservations: 888-444-6664
Park Plaza International	888-201-1803
Quality Inn	877-424-6423
Radisson Hotels International	888-201-1718
Raffles International Hotels and Resorts	800-637-9477
Ramada Hotels	800-2-RAMADA
Red Roof Inn	800-RED ROOF
Renaissance Hotels	800-HOTELS1
Residence Inn by Marriott	800-331-3131
Rodeway Inn	877-424-6423
Sheraton Hotels & Motor Inns	800-325-3535
Shoney's Inn	800-552-4667

Signature Inn	800-822-5252
Sleep Inn	800-SLEEP INN Reservations: 877-424-6423
Staybridge Suites	800-238-8000
Super 8 Motels, Inc.	800-800-8000
Travelodge & Viscount Hotels	800-578-7878
W Hotels	888-625-5144 Reservations: 877-946-8357
Westin Hotels & Resorts	888-625-5144 Reservations: 800-937-8461
Wyndham Hotels and Resorts	877-999-3223

Car Rental Information

Car Rental Company	Phone Number
Alamo	800-GO-ALAMO
Avis	800-230-4898 Rates and Reservations: 800-331-1212
Budget	800-527-0700
Dollar	800-800-3665
Enterprise	800-261-7331
Hertz	800-654-3131
National	800-227-7368
Payless	800-729-5377
RentaWreck	800-944-7501
Thrifty	800-847-4389

Airline Information

Airline Name	Phone Number
Air Canada	888-247-2262
Airtran Airways	800-AIRTRAN
Alaska Airlines	800-252-7522
American Airlines	800-433-7300
American Eagle	800-433-7300

Canadian North	800-661-1505 Outside Canada: 867-873-4484
Canjet	800-809-7777
Continental Airlines	800-525-0280 Reservations: 800-523-3273 (U.S. and Mexico)
Delta Airlines	800-221-1212
Harmony Airways	866-868-6789
Hawaiian Airlines	800-367-5320
Midwest Express Airlines	800-452-2022
Northwest Airlines	800-225-2525
Southwest Airlines	800-435-9792
United Airlines	800-864-8331
US Airways	800-428-4322
Westjet	800-538-5696

Recreational Contacts

National Recreation Information

Contact Name	Web Site Information	Phone Number
Recreation.gov	www.recreation.gov	877-444-6777
National Forest Service	www.fs.fed.us/	202-205-8333
NFS Locator	www.fs.fed.us/recreation/map/state_list.shtml	202-205-1706
National Park Service	www.nps.gov	NPS Center for Recreation & Conservation: 202-354-6900
NPS Locator	www.nps.gov//archive/parks.html	N/A
National Monuments	www.blm.gov/nlcs/monuments/	BLM National Landscape Conservation System: 202-208-3516
National Historic Sites -	www.cr.nps.gov	NPS Center for Recreation &

NPS		Conservation: 202-354-6900
U.S. Fish and Wildlife Service	www.fws.gov	800-344-WILD
National Trails - BLM	www.blm.gov/nlcs/nsht/index.html	BLM National Landscape Conservation System: 202-208-3516
National Trails - NPS	www.nps.gov	202-208-3100 or NPS Center for Recreation & Conservation: 202-354-6900
National Association of RV Parks & Campgrounds (ARVC)	www.gocampingamerica.com www.arvc.org	703-241-8801

Sharing Online

Using Eartha Community Atlas

Eartha Community Atlas is an interactive atlas where communities exchange their common experiences and location-based information using shared, customizable, searchable maps. You can geoplace photos on a map, upload waypoints, upload and download tracks, and participate in forum discussions.

You do not have to be registered or signed in to browse the website. If you want to post to a forum or manage map information, you must register and sign in.

To launch the Eartha Community Atlas (ECA) wizard, click the **ECA** button on the toolbar. You can access the website from the first page of the wizard to open it in a new window. If you need help with the Eartha Community Atlas website, click **Help** on the toolbar.

Using MapShare

MapShare lets you create static maps with or without route directions to send to your friends, family, and associates.

See the Using MapShare tutorial on page 55 for more information. For help with e-mailing maps and routes using the MapShare Wizard, click the **Help** button on any screen in the wizard.

To open the MapShare Wizard, click the **MapShare** button on the toolbar.

Legal Information

Street Atlas USA® 2009 Plus Single-User License Agreement

This is an Agreement between you, the end user, and DeLorme. By using the Street Atlas USA 2009 Plus software, data and documentation (the "System"), you are agreeing to be bound by the terms of this Agreement.

If you do not agree with the terms of this Agreement, you may not use the System. Return all materials within thirty (30) days of receipt to the dealer from which you obtained them or to DeLorme for a full refund.

Any term or condition of an approved purchase order that differs from or adds to the terms or conditions of this License Agreement as well as any other modification or amendment to this Agreement will not be effective unless expressly agreed to in writing by both parties.

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Web Site Map Display Rights. You may display on your personal, business or institutional static Web site map images derived from the System, provided that you include the Legend indicated below and that you provide a link to the DeLorme Web site at www.delorme.com from any page featuring a DeLorme map image. If you subcontract a web developer to display map images said web developer must purchase a license.

Legend. Any System output that is provided to a third party must include the following credit and copyright notice: "© 2008 DeLorme (www.delorme.com) Street Atlas USA® Plus". You may not remove, alter, or conceal any copyright or trademark notices appearing on any System output, except that when creating a mural map, you need only retain a single legend with scale, for use in the field.

Phone Data. End User shall use Phone Data in compliance with any and all federal, state or local statutes, regulations, or ordinances, including without limitation, any applicable privacy, do-not-call, telemarketing, or related statutes regulations or ordinances. End User shall defend and indemnify DeLorme, including attorney fees, against any claims arising out of the violation by End User of this License Agreement. Export of phone data is limited to one thousand (1,000) records at any one time. Phone data may not be used in conjunction with any autodialer, or similar device, or for call center or telemarketing purposes.

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